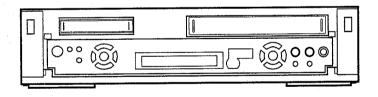
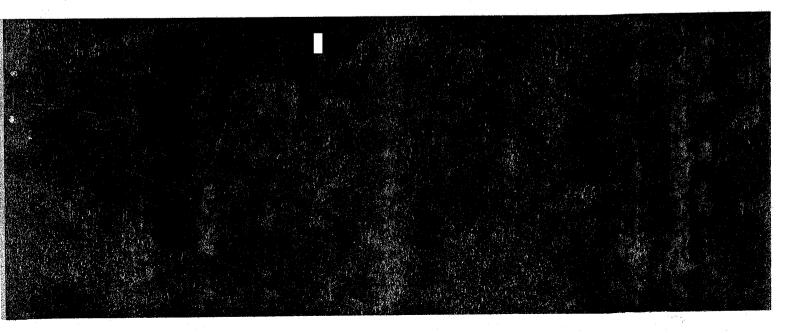
DOUBLE DECK VIDEO CASSETTE RECORDER SERVICE MANUAL

MODEL: QUISY 900

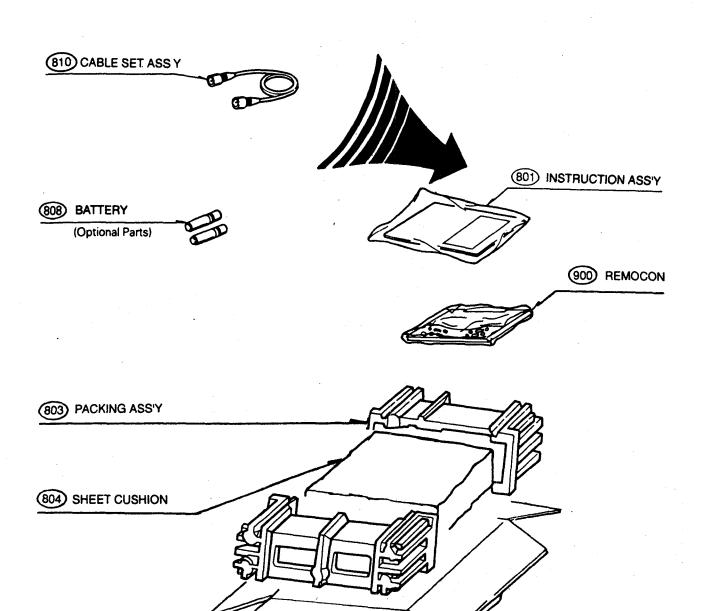
CAUTION

BEFORE SERVICING THE UNIT, READ THE "SAFETY PRECAUTIONS" IN THIS MANUAL.





2. Packing Accessory Section



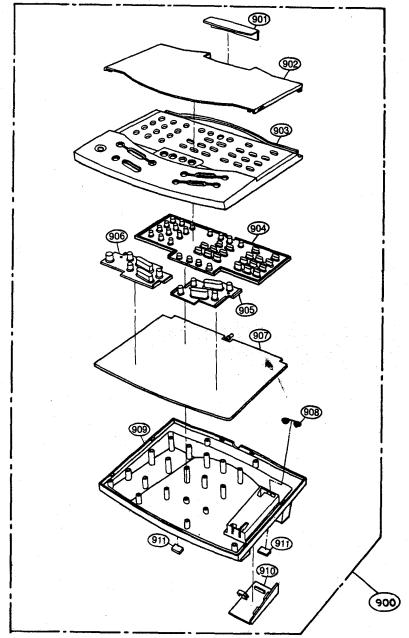
• Replacement Parts List

802 BOX CARTON

RUN DATE: 95.09.26
NSP: Not Service Part

				T	Nor. I	iot service Par
s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-657G	INSTRUCTION ASSY		
		802	290-452A	BOX CARTON		
		803	283-217A	PACKING		1
•		804	291-002D	SHEET CUSHION		NSP
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-505J	CABLE SET ASSY	RF-CABLE ASSY PAL FTZ	

3. Remote Control Section



Replacement Parts List

2-8

RUN DATE: 95.09.26
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	i j	900	597-121F	REMOTE CONTROL	2ND D/DECK ASSY	
		901	236-558A	WINDOW	FILTER(2ND D/D)	NSP
		902	220-084B	COVER	D/D3 R/C	NSP
		903	217-485H	CASE	TOP	NSP
		904	275-699B	BUTTON	D/D2 R/C	NSP
	ŀ	905	275-612A	BUTTON	RUBBER VHS (R/C)	NSP
		906	275-611A	BUTTON	RUBBER 8MM (R/C)	NSP
		907	515-824E	PWB ASSY!	REMOCON (2ND DOUBLE DECK)	NSP
	l	908	442-611A	SPRING	COIL (R/C)	NSP
		909	217-486D	CASE	BOTTOM	NSP
		910	221-857D	COVER	BATTERY	[,,, , ,
L.		911	477-054A	RUBBER	BUMPON	NSP

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SECTION 1 SUMMARY KEY TO ABBREVIATIONS

A 60 Allemating Current and Act						
ACSS	Α					
A DJ				M		
## APE Suido Estapa Propurory Control Mich Selection Selec					MD	
### AFC						
AFF						
ASC Automatic Calan Control ALTON AUTOMATION AND Automatic Calan Control AM Amplitude Modulation AM Amplitude Modulation AM AM Amplitude Modulation AM AM Amplitude Modulation AM AM Amplitude Modulation AM AM Amplitude Modulation						
ALSW						
ALC Automatic Level Control AM Amplitude Mocilation ANT Artisens ANT Artisens ANT Artisens ARC Automatic Phase Control ARS Base P B B B B B B B B B B B B						
AMM Amplitier Modulation MODEN Miduliper MAPP Applier Applier May Applier Modulation MODEN MEX. Miduliper MAPP Applier May Applier MAPP						:Monostable Multivibrator
AMP						:Modulation, Modulator
ANT						:Modulation-Demodulator
APC					MPX	:Multiplex
August				N	NR	:Noise Reduction
Auditory						
B Bus				0		
BGP			:Auxiliary	_		
Barbysas Filter	В	В	:Base	٠ ٢		
BW or BW Black and White PER-AMP Presimplifier PRESIMPLY		BGP	:Burst Gate Pulse			
Black and Wither		BPF	:Bandpass Filter			
Billor BW		BS	:Brodcasting Satellite			
CAP		BW or B/W	:Black and White			
CAN Cancel CAN Cancel CAN Cancel CAN CAP BRK Capstan Breide CAP RVS Capstan	C	C	:Capacitor, Chroma, Collector			
CAP_RISK Capstain Parkers Park	•		:Cancel			
CAP RIVS Capstan Flaverse PS Phesa Shift						
CAP FVS						
CATY						
CBA						
CCD				_		
C.CTL Chro Control, Capstan Forequency Generator CRG Capstan Frequency Generator CRG CAPSTAN Commission CRG CAPSTAN				Q		
CFG						
CHROMA						
CNR						
COMB Combination F						
COMP Competitor Competito				R	R	:Resistor, Right
COMP		00.0.0			RE(or RC)	:Remocon, Receiver
Composite		COMP				:Recording
CONV		Collin				
CONV					REF	
C.ROT SW Color Rotary Switch Select Remote Control(unit) Red Requency Radio Frequency Serial Record Flag Flag Flag Flag Flag Flag Flag Flag		CONV			REG	
CS					REMOCON	:Remote Control(unit)
C.SYNC Composite Synchronization R/P Record/Playback RTC Rel Time Counter Sacral Silva Accel Slow Accel					RF	
CTL DIV Courted Courter CVL Curter CVL Curter S Serial CVL CVI					R/P	
CUR					RTC	
CYL Cylinder S.ACCEL :Slow Accel D D D Drum Adjust SC :Second Audio Program D D D Drum Adjust SC :Secan, Simulcast DCT Drum Control SH :Sharp mesa Secan, Detect :Sharp mesa DET Detect SHARP :Sharpness :Sharpness DEV Deviation SLD :Side Looking Shard Clocking DHP :Double High Pass SN :Signal to Noise Ratio Signal to Noise Ratio DIGTRON :Digital Display Tube SP :Shardard Play Shardard Play DL :Delay Line SUB :Subtract, Subcarrier DW :Dut Compensator SUB :Subtract, Subcarrier DW :SYNC :Synchronization DV SYNC :Dummy Vertical Synchronization SYNC :Synchronization EE :Emitter SYSCON :System Control EEMH :Electric to Electric T T T T				S	S	
D D :D.m.m. Digital, Diode, Drain SAOP Second Audio Program D ADJ :Dr.m. Adjust SC :Scart, Simulasets DC :Direct Current S.DET :Secam Detect DEMD :Demodulator SHARP :Shift DEV :Devented SIF :Sound Intermediate Frequency DEV :Deviation SLD :Side Locking DHP :Double High Pass S/N :Signal to Noise Ratio DIGITRON :Digital Display Tube SP :Standard Play DC :Drop Out Compensator SUB :Subtract, Subcarrier DUS YNC :Dubbing :SW or SW :Switch E E. Emitter *** SYSCON :System Control E E. Emitter *** SYSCON :System Control E *** Electric to Electric T T *** Coil EMPH *** Emphasis TP *** Tarsk Point ENV *** Envelope TR *** Transistor ENV *** Expander U </td <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td>				•		
D.ADJ D.mm Adjust SC Scart, Simulast SC DC DC Deet Current S.DET Secam Detect S.DET S.DET Secam Detect S.DET S	_					
DC	U					
D.CTL Drum Control SHAP Shift Shift DEMOD Demodulator SHAP Sharpness Sharpness Sharpness Silf Sound Intermediate Frequency SIF Signal to Noise Ratio Switch Swi						
DEMOD Demodulator Demodulator SHARP Sharpness DEFT Detect SIF Sound Intermediate Frequency DEV Deviation SLD Side Locking Signal to Noise Ratio Signal to Noise Ratio DEV Deviation SLD Signal to Noise Ratio DIGITRON Digital Display Tube SP Standard Play Stereo DIGITRON Digital Display Tube SP Standard Play DOC Drop Out Compensator SUB Subtract, Subcarrier Switch Switch DOC Drop Out Compensator SW or SW Switch Switch DUB Dubbing SW or SW Switch System Control SYNC Synchronization SYNC Synchronization SyNC System Control System Control Synchronization SyNC Synchronization SyNC System Control Synchronization SyNC Synchronization SyNC Synchronization SyNc System Control Synchronization SyNc System Control Synchronization SyNc System Control Synchronization SyNc System Control Synchronization Synchron						
DET						
DEV Deviation SLD Side Looking DHP Double High Pass S/N Signal to Noise Ratio Signal to Noise Ratio DHP Digital Display Tube DL Delay Line ST Stareo ST Stareo DUB Dubling Dubbing SW or S/W Switch Synchronization SYNC Synchronization SYNC Synchronization SYSCON System Control DUB Dubbing Dividence DuB Du						
DHP						
Digital Display Tube Digital Display Tube Digital Display Tube Digital Display Tube Digital Display Line ST Stereo DUC Drop Out Compensator SUB Subtract, Subcarrier Sub Su						
Diamagnetic Delay Line Diamagnetic D						
DOC Drop Out Compensator DUB Dubbing Dubbing Dubbing Dubbing Dubbing Dubbing Dubbing Dubbing Dubbing SW or SW Switch D.V SYNC Dummy Vertical Synchronization SYNC Synchronization Synchronizat						
DUB : Dubbing						
D.V SYNC Dummy Vertical Synchronization SYNC Synchronization SYNC Synchronization SYSCON System Control						
E						
Electric to Electric T T T						
EMPH	E			-	T	
ENA				ı	TO	
ENV					1P	
EP						
EQ Equalizer U UHF :Ultra Hight Frequency EXP :Expander U UHF :Ultra Hight Frequency UNREG :Unregulated FB :Feed Back V V :Voltage Alive FBC :Feed Back Clamp VA :Voltage Alive FE :Full Erase VCO :Voltage Control Control FG :Frequency Generator VGC :Voltage Gain Control FL :Filter VHF :Very High Frequency FM :Frequency Modulation V.H.SW :Video Head Switch FIR :Forward/Reverse VISS :VHS Index Search System FS :Frequency Synthesizer VPS :Video Program System FSC :Subcarrier Frequency VR :Variable Resistor or Volume F/N :Frequency Voltage V-SYNC :Vertical Synchronization G GEN :Generator VTG :Voltage H H :High, Horizontal VXO :Video to Video I C :Intergrated Circuit VXO :Voltage X-tal Oscillator I C :Intergrated Circuit WW W :Watt I C :Intergrated Circuit WW W :Watt LD :Loading VX X-TAL :Crystal LD VTG CTL :Loading Voltage Control Y YC :Luminance/Chrominance LECHA :Letter Character YNR :Luminance Noise Reduction LD :Loading Voltage CD :ZD :Zener Diode						
EXP						
F F Fuse Feed Back V V V Stolle, Vertical, Video Feed Back Clamp VA Stolle, Vertical, Video Feed Back Clamp VA Stolled Controlled Oscillator Feed Feed Frequency Generator VGC Stollage Controlled Oscillator Feed Feed Frequency Modulation V.H.SW Stollage Gain Control VH.SW Stollage Feed Switch Feed Switch Feed Feed Switch Feed Switch Feed Switch Feed Switch Feed Feed Switch Feed Switch Feed Feed Feed Switch Feed Feed Switch Feed Feed Switch Feed Feed Feed Feed Feed Feed Feed Fee						
FB :Feed Back			:Expander	U		:Ultra Hight Frequency
FB	F	F	:Fuse			:Unregulated
FBC Feed Back Clamp FE :Full Erase VCO :Voltage Controlled Oscillator FG :Frequency Generator VGC :Voltage Gain Control FL :Filter VHF :Very High Frequency FM :Frequency Modulation V.H.SW :Video Head Switch F/R :Forward/Reverse VISS :VHS Index Search System FS :Frequency Synthesizer VPS :Video Program System FSC :Subcarrier Frequency VR :Variable Resistor or Volume F/V :Frequency Voltage V-SYNC :Vertical Synchronization G GEN :Generator VTG :Voltage H H H :High, Horizontal VV :Video to Video IF :Intergrated Circuit VXO :Voltage X-tal Oscillator L L :Low, Left, Coil X :VHS :Intergrated Circuit WHT :White :Intermediate Frequency WHT :White :Intergrated Circuit WHO :With Out :Video Circuit WHO :Video Circuit :Intergrated Circuit WHO :Video Circuit :Video				ν	V	
FE :Full Erase VCO :Voltage Controlled Oscillator FG :Frequency Generator VGC :Voltage Gain Control FL :Filter VHF :Very High Frequency FM :Frequency Modulation V.H.SW :Video Head Switch FR :Forward/Reverse VISS :VHS Index Search System FS :Frequency Synthesizer VPS :Video Program System FSC :Subcarrier Frequency VR :Variable Resistor or Volume FN :Frequency Voltage V-SYNC :Vertical Synchronization G GEN :Generator VTG :Voltage H H :High, Horizontal VV :Voltage I IC :Intergrated Circuit VXO :Voltage X-tal Oscillator IF :Intermediate Frequency WHT :White INS :Insert W/O :With Out L L Loading X X-TAL :Crystal L Loading Voltage Control YNR :Luminance Noise Reducti					VA	
FG :Frequency Generator		FÈ				
FL		FG	:Frequency Generator		VGC	
FM :Frequency Modulation V.H.SW :Video Head Switch F/R :Forward/Reverse VISS :VHS Index Search System FS :Frequency Synthesizer VPS :Video Program System FSC :Subcarrier Frequency VR :Variable Resistor or Volume F/V :Frequency Voltage V-SYNC :Vertical Synchronization G GEN :Generator VTG :Voltage H H :High, Horizontal VV :Video to Video VYO :Video Program System Variable Resistor or Volume VYO :Vertical Synchronization VYO :Video Desistor or Volume VYO :Voltage VYO :Video Desistor or Volume VYO :Voltage VYO :Video Desistor or Volume VYO :Voltage VYO :Voltage VYO :Voltage VYO :Watt WHT :White WHT :White WHO :With Out <						
F/R						
FS						
FSC Subcarrier Frequency F/V :Frequency Voltage V-SYNC :Vertical Synchronization G GEN :Generator VTG :Voltage H H : High, Horizontal VV :Video to Video I IC :Intergrated Circuit VXO :Voltage X-tal Oscillator IF :Intermediate Frequency INS :Insert WHT :White ILD :Loading X X-TAL :Crystal LD VTG CTL :Loading Voltage Control LECHA :Letter Character YNR :Luminance Noise Reduction Level Meter Z ZD :Zener Diode						
F/V						
GEN :Generator						
H	G					
C						
Intergrated Circuit						
NS	ı	IC		14/		
W/O :With Out		1F	:Intermediate Frequency	W		
L CW, Left, Coil X X-TAL :Crystal LD VTG CTL :Loading Voltage Control Y Y/C :Luminance/Chrominance LECHA :Letter Character YNR :Luminance Noise Reduction L.M :Level Meter Z ZD :Zener Diode						
LD :Loading X A-1AL :Crystal LD VTG CTL :Loading Voltage Control Y Y/C :Luminance/Chrominance LECHA :Letter Character YNR :Luminance Noise Reduction L.M :Level Meter Z ZD :Zener Diode	L	L	:Low, Left, Coil			
LD VTG CTL :Loading Voltage Control Y Y/C :Luminance/Chrominance LECHA :Letter Character YNR :Luminance Noise Reduction L.M :Level Meter Z ZD :Zener Diode						
LECHA :Letter Character YNR :Luminance Noise Reduction L.M :Level Meter Z ZD :Zener Diode			:Loading Voltage Control	Υ		:Luminance/Chrominance
L.M :Level Meter Z ZD :Zener Diode			:Letter Character		YNR	
LP :Long Play				7		
				~		220107 27000

IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, the products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

- 1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
- 2. Parts identified by the \(\infty \) symbol and shaded (\(\infty \)) parts are critical for safety. Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

- 3. Use Specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers
 - 4) Insulation sheets for transistor
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering (Fig. 1)
- Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)
- Check that replaced wires do not contact sharp edged or pointed parts.
- 8. When a power cord has been replaced, check that 10-15Kg of force in any direction will not loosen it.(Fig. 2)
- 9. Also check areas surrounding repaired locations.

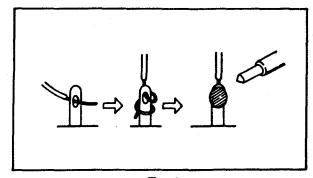


Fig. 1

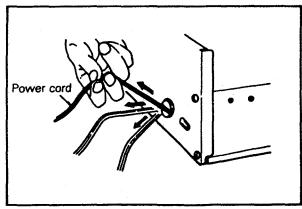


Fig. 2

10. Products using cathode ray tubes (CRTs)

In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the parts specified. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

SAFETY CHECK AFTER SERVICING

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

Insulation resistance test

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

· Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts

of the set(RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

• Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table below.

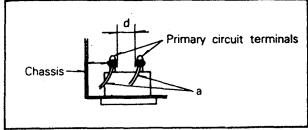


Fig. 3

Table 1:Ratings for selected areas

AC Line Voltage	Region	Insulation Resistance	Dielectric Strength	Clearance Distance(d),(d)
*110 to 130 V 200 to 240 V	Europe Australia	≧10 MΩ/500 V DC	4kV 1 minute	≧6mm(d) ≧8mm(d) (a Power cord)

^{*}Class II model only.

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

Leakage Current test

Confirm specified or lower leakage current between B(earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.)

Measuring Method: (Power ON)

Insert load Z between B(earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure and following table.

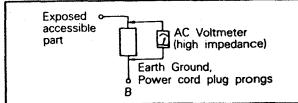


Fig. 4

Table 2:Leakage current ratings for selected areas

AC Line Voltage	Region	Load Z	Leakage Current(i)	Earth Ground (B) to:
100 to 130 V	Europe	•—	i≦0.7m A peak i≤2m A dc	Antenna earth terminals
200 to 240 V	Australia	•—	i≦0.7m A peak i≦2m A dc	Other terminals

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

INTRODUCTION

This service manual provides a variety of service information. It contains the mechanical structure of the Double Deck Video Cassette Recorder together with mechanical adjustments and the electronic circuits in

schematic form. This Double Deck VCR was manufactured and assembled under our strict quality control standards and meets or exceeds industry specifications and standards.

FEATURES

- the VHS and Hi 8mm system with HQ-picture technology for extraordinary picture sharpness and high resolution.
- Hi-Fi stereo for excellent sound quality including a NICAM sound decoder.
- · the channels will be preset and memorized automatically.
- · automatic power and playback.
- four VHS video heads for a clear still image and a variable slow motion.
- three Hi 8mm video heads for Hi 8mm playback, standard 8mm playback also possible.
- assemble editing from 8 mm tape to VHS tape.
- the easy searching of your recordings by automatic and manual index marking, which can also be erased.
- the blank search system for searching the unrecorded portion of the tapes.

- · the quick mechanism for fast tape function transitions.
- the long play VHS recording and playback facility.
- the real time tape counter and the VHS remaining tape time display.
- eight programme timer, programmable up to one year in advance, can be set for daily or weekly recording.
- the on-screen display of many functions e.g. the stored timer programmes.
- and many more, like additional Euro-AV sockets, audio dubbing, child lock, immediate recording timer, and title generator.
- built-in ShowView Programming: Optional Function ShowView is a trademark applied for by Gemstar Development Corp.

ShowView system is manufactured under license from Gemstar Development Corporation.

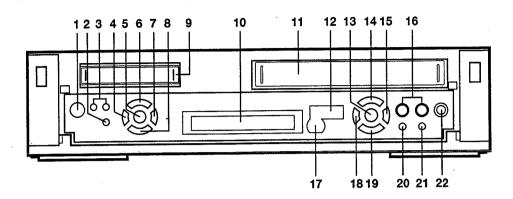
SPECIFICATIONS

General		
Power supply:		AC 230V (±10%), 50Hz
Power consumption :		Approx. 35W
Cabinet size($W \times H \times D$):		430×99×390mm
Weight:		Approx. 8.2Kg
Operating temperature :		5° C to 35° C surrounding temperature
Operating humidity:		35-80%
8 mm Player section Format:		8 mm PAL Standard
		3 video heads
Heads:	(CD)	
Tape speed:	(SP)	20.05 mm/sec.
	(LP)	10.025 mm/sec.
Tape width:		8 mm
Video output :		1 Vpp 75 ohm unbalanced
Audio output:		0 dBm, less than 1 Kohm
VHS Recorder section		
Format:		VHS PAL Standard
Heads:		4 video heads
Tape speed:	(SP)	23.39 mm/sec.
rapo opoda .	(LP)	11.635 mm/sec.
Tape width:	(=1)	12.7 mm
Video:		PAL B/G
Recording/playback time :		300 min. (LP : 600 min.)
necording/playback time.		
Andal lands		with E-300
Aerial input :		PAL: VHF 01-11
		UHF 21-69
		CATV S01-S41
•		HYPER 71-73
RF output :		UHF channels 32~40 (Variable)
Video input:		1 Vpp 75 ohm unbalanced
Video output :		1 Vpp 75 ohm unbalanced
S/N ratio (video):		45dB nominal
Audio input :		0dBm, more than 50 Kohm
Audio output :		0dBm, less than 1 Kohm
Audio track:		Mono track & Hi-Fi tracks
S/N ratio (audio) :		NORMAL: >45dB/Hi-Fi: >68dB (JIS A FILTER)
Audio frequency range:		NORMAL : 100Hz-10kHz (-6/+3)
		Hi-Fi : 20Hz-20kHz
Audio dynamic range :		Hi-Fi Audio:>75dB (JIS A FILTER)
* Designs and specifications are subject to change	a without no	TICE

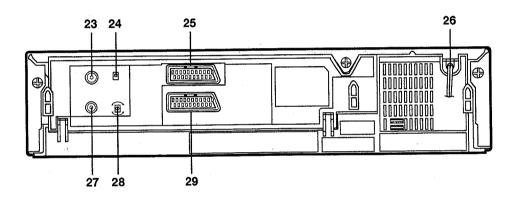
* Designs and specifications are subject to change without notice.

LOCATION OF CUSTOMER CONTROLS

FRONT



REAR



- 1. OPERATE ON/OFF BUTTON
- 2. OTC BUTTON

8 mm Player section

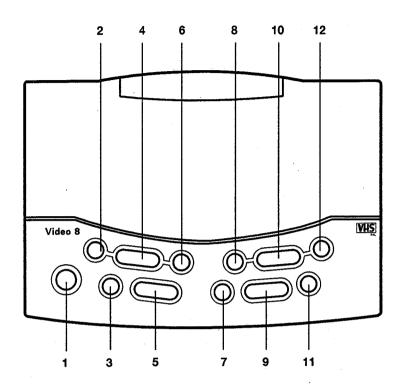
- 4. REWIND/REVIEW BUTTON
- 5. STOP/EJECT BUTTON
- 6. PLAY BUTTON
- 7. FAST FORWARD/CUE BUTTON

VHS Recorder section

- 11. CASSETTE COMPARTMENT
- 12. AUDIO LEVEL METER
- 13. STOP/EJECT BUTTON
- 14. PLAY (×2) BUTTON
- 15. FAST FORWARD/CUE BUTTON
- 16. AUDIO RECORDING LEVEL CONTROLS (L/R)
- 17. REMOTE CONTROL SENSOR (8mm & VHS)
- 18. REWIND/REVIEW BUTTON
- 19. P/STILL BUTTON
- 20. RECORD BUTTON

- 3. PR/TRK (-/+) BUTTONS
- 8. STILL BUTTON
- 9. CASSETTE COMPARTMENT
- 10. MULTI FUNCTION DISPLAY (8mm & VHS)
- 21. AUDIO DUBBING BUTTON
- 22. MIC IN JACK
- 23. AERIAL INPUT SOCKET
- 24. TPSG ON/OFF SWITCH
- 25. EURO-AV 1 SOCKET
- 26. MAINS LEAD
- 27. RF OUTPUT
- 28. VIDEO CHANNEL CONTROL
- 29. EURO-AV 2 SOCKET

REMOTE CONTROL



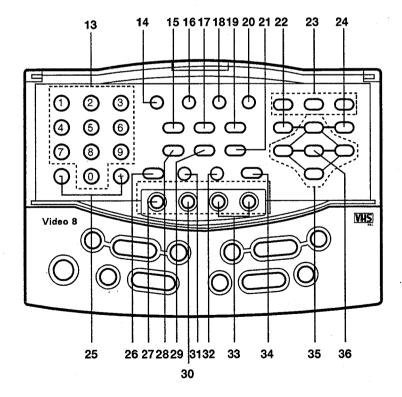
1. OPERATE ON/OFF BUTTON

8 mm Player section

- 2. REWIND/REVIEW BUTTON
- 3. STILL BUTTON
- 4. PLAY BUTTON
- 5. STOP BUTTON
- 6. FAST FORWARD/CUE BUTTON

VHS Recorder section

- 7. P/STILL BUTTON
- 8. REWIND/REVIEW BUTTON
- 9. STOP BUTTON
- 10. PLAY (×2) BUTTON
- 11. FRAME ADVANCE BUTTON
- 12. FAST FORWARD/CUE BUTTON

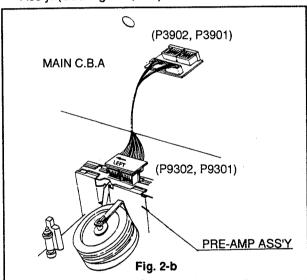


- 13. NUMBER BUTTONS
- 14. TAPE SPEED SELECT BUTTON (LP)
- 15. MIC MIX BUTTON
- 16. TV/VCR BUTTON: *
- 17. CHILD LOCK BUTTON
- 18. MONITOR BUTTON
- 19. TU/AV BUTTON
- 20. SHOWVIEW BUTTON: *
- 21. REC/QSR BUTTON
- 22. MENU BUTTON
- 23. VISS BUTTONS
- 24. CLEAR BUTTON
- 25. PR/TRK (+/-) BUTTONS
- 26. AUTO TRACKING BUTTON
- 27. EDIT BUTTON
- 28. B.SEARCH BUTTON
- 29. AUDIO DUBBING BUTTON
- 30. OTC BUTTON
- 31.8mm RESET BUTTON
- 32. VHS RESET BUTTON
- 33. SLOW BUTTONS
- 34. RESET BUTTON
- 35. CURSOR BUTTONS
- 36. OK BUTTON
- * * : Optional Function

SECTION 2 CABINET & MAIN FRAME SERVICE FIXTURE CONNECTING METHOD

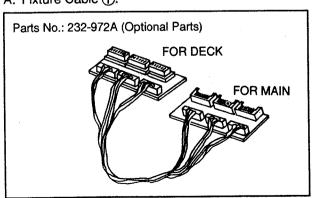
1. SVC FIXTURE Connecting Method

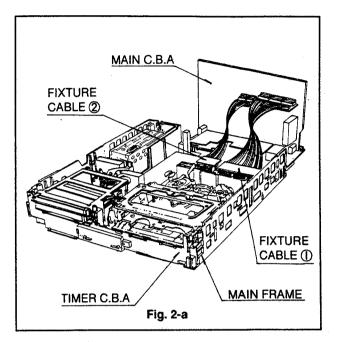
- A. FIXTURE Cable (1) Connecting Method.
- a) Connect the FIXTURE Cable ① between Main C. B.A and Junction C.B.A. (P2J01, P2J02, P2J03)
- b) At this time, should be in the left side " ← LEFT" mark on the P.C.B of the FIXTURE Cable ①. (See Fig. 2-a, 2-c)
- c) Connect the connector of "MAIN" mark of FIXTURE Cable () with the Main C.B.A and the connector of "JUNCTION" mark with the Junction C.B.A. (See Fig. 2-a, 2-c)
- B. FIXTURE Cable 2 Connecting Method.
- a) Connect the FIXTURE Cable ② between Main C. B.A and Pre-Amp Ass'y. (P3901=P9301, P3902=P9302)
- b) At this time, should be in the left side " ← LEFT" mark on the P.C.B of the FIXTURE Cable ②. (See Fig 2-a, 2-b)
- c) Connect the connector of "MAIN" mark of FIXTURE Cable ② with the Main C.B.A and the connector of "JUNCTION" mark with the Pre-Amp Ass'v. (See Fig. 2-a, 2-b)

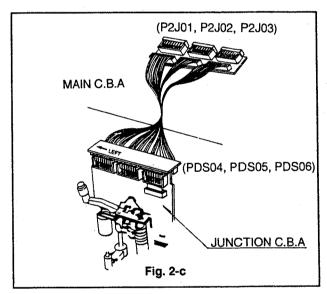


2. Electrical Service Fixture List

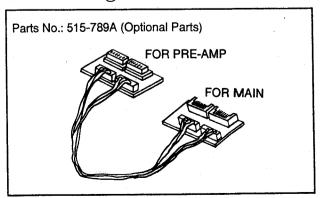
A. Fixture Cable ().







B. Fixture Cable (2).

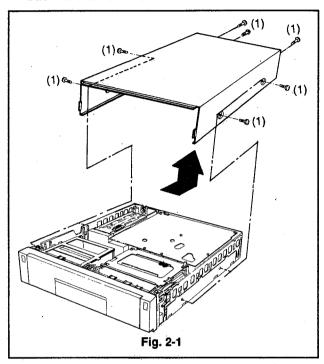


CABINET DISASSEMBLY

1. Top Case

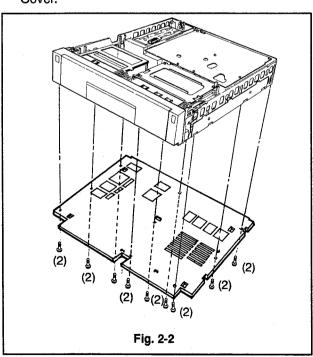
- A. Release 7 screws (1).

 B. Hold the back of Top Case and lift it up slightly backward to remove it.



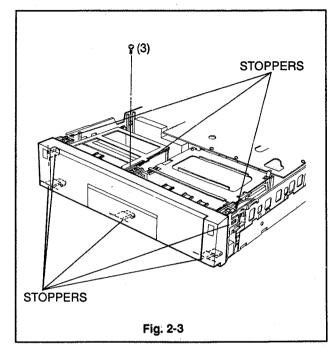
2. Bottom Cover

A. Release 9 screws (2) to remove the Bottom Cover.



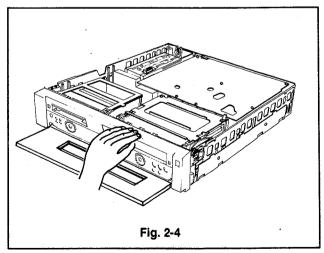
3. Front Panel

- A. Release 1 screws (3).
- B. Remove the stoppers on the top of Front Panel.
- C. Remove the stoppers on the bottom side Front Panel.



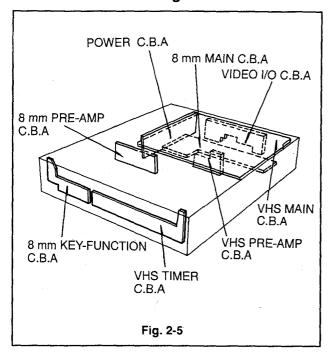
* Caution

When reassemble the Front panel, assemble it in condition of inserting the Door Cassette inside, as shown in Fig.2-4



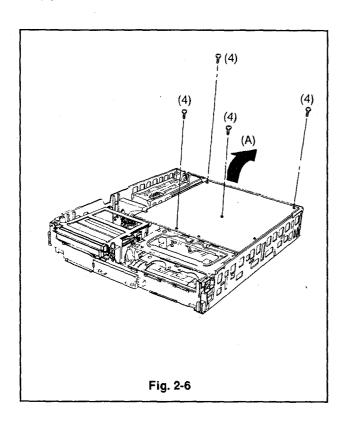
CIRCUIT BOARD DISASSEMBLY

1. Circuit Board Arrangement



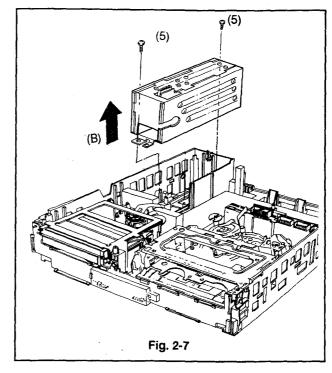
2. VHS Main Circuit Board

- A. Release 4 screws (4).
- B. Remove the Main C.B.A in the direction of arrow (A).



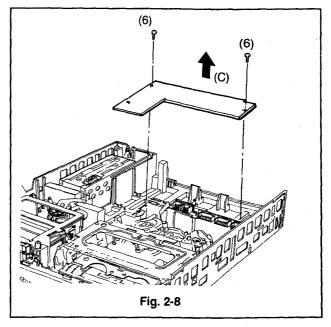
3. Power Circuit Board

- A. Remove the Bottom Cover. (Fig. 2-2)
- B. Release 2 screws (5).
- C. Remove the Power C.B.A in the direction of arrow (B).



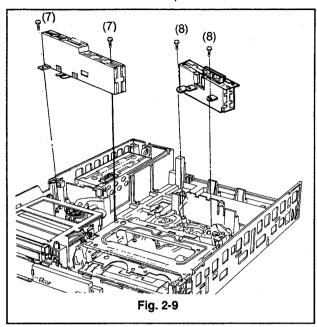
4. 8mm Main Circuit Board

- A. Release 2 screws (6).
- B. Remove the 8mm Main C.B.A in the direction arrow (C).



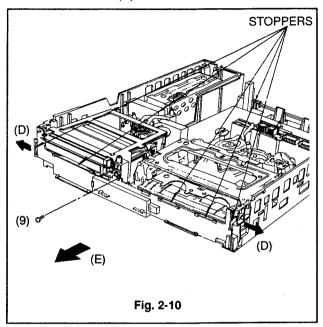
5. 8mm/VHS Pre-Amp Circuit Board

- A. Release 2 screws (7).
- B. Remove the 8mm Pre-Amp C.B.A.
- C. Release 2 screws (8).
- D. Remove the VHS Pre-Amp C.B.A.



6. 8 mm/VHS Key Function Circuit Board

- A. Release 1 screw (9).
- B. Release 9 stoppers in the direction arrow (D).C. Remove the 8mm/VHS Key Function C.B.A in the direction arrow (E).



• Cabinet & Main Frame Section Replacement Parts List

REMARK	SPECIFICATION	DESCRIPTION	PART NO(GS)	LOCA.NO	AL
	SECTION	ASSEMBLY PARTS			
NSP	ASSY MAIN	FRAME	315-314N	A40	П
	KEYBOARD 2NDDD1S	BOARD ASSY	3501R-0249A	A41	
	TIMER 2NDDD1S	BOARD ASSY	3501R-0248A	A42	1
	FRONT ASSY	PANEL	258-722F	A43	
	SMPS	BOARD ASSY	3501R-0247B	A44	1
	PRE AMP ASSY	MODULE	501-522A	A45	1
	MAIN	BOARD ASSY	3501R-0245D	A46	1
	8MM PRE-AMP(2NDDD1S)	BOARD ASSY	3501R-0251A	A47	1
	8MM MAIN (2NDDD1S)	BOARD ASSY	3501R-0246A	A48	
•	ON	PARTS SECT			
T	TOP	CASE	217-472C	250	
1	HOUSING	BRACKET	321-526A	251	
NSP	MAIN	FRAME	315-300B	260	
NSP	GND (FTZ)	PLATE	257-061A	262	
NSP	PWB	HOLDER	324-976A	263	
1	DIGITRON	HOLDER	324-872A	275	ΙI
	TRACKING	KNOB	273-116A	278	
NSP	FRONT	PANEL	258-717F	280	
1	DOOR ASSY	COVER	220-075D	282	
1	CST	DOOR	226-104F	283	ш
	DOOR	SPRING	442-469A	284	
	ASSY DOOR	MAGNET	524-013A	288	1
-	ASSY COVER DOOR	BRACKET	321-718A	289	1
	ASSY DAMPER	BRACKET	321-719A	290	
	ASSY DAMPER(T;60)	GEAR	435-465B	291	
	KKP-419J B-172 KLCE-2F PAL	CORD	681-051A	300	
	H03VVH2-F 2X0.75MM LP21R/PE221	CORD	681-951A	300	
	ASSY DISTRIBUTOR	PANEL	258-596G	320	
	BOTTOM GROUND	PLATE	257-006A	321	
	воттом	COVER	221-834A	330	
	CST 8MM	DOOR	226-064K	340	
	DOOR	SPRING	442-591A	341	
	ASSY P/AMP 8MM	HOLDER	340-088A	342	
		SCREW			
	(3X10 FZMY)	SCREW	353-046C	451	
. 1	SPECIAL(3X10 FZMY)	SCREW	353-051A	452	
	(3X10 FZMY)	SCREW	353-046C	459	
	SPECIAL(4.6X12.5 FBK)	SCREW	353-136A	462	
1	SPECIAL TP	SCREW	353-090A	472	1 1

				RUN DATE: 95. 09. 26				
s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION				
	CIRCUIT BOARD ASSEMBLY							
PBIO0 6871R-0252A I/O BOARD (2NDDD1S) PBJT0 516-908B JUNCTION 2 (6/S) PBM00 6871R-0245D VHS MAIN (DV13P 3GL1) PBT00 6871R-0248A TIMER 2NDDD1S				JUNCTION 2 (G/S) VHS MAIN (DV13P 3GL1)				

SECTION 3 ELECTRICAL ELECTRICAL ADJUSTMENT PROCEDURES

• Electronic Test Equipment Requirement

- Oscilloscope
- Video signal Generator
- · Level Meter
- Frequency Counter
- + Driver
- · Test Tape (SP)-PAL, (VHS, 8mm)
- Test Tape (SP)-PAL Stereo
- (8mm)
- Recording Tape (VHS)
- Digital Multimeter

1. VHS Circuit Adjustment

1-1. Servo Circuit

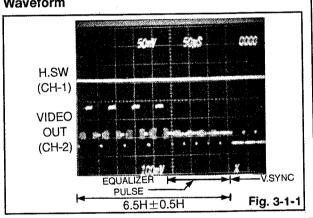
1-1-1. PG Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK	6.5H±0.5H (1H=64.0⊭sec)	TP201 (H.SW) TP202 (V.Out terminal)	VR201

Procedure:

- a. Connect CH-1 of oscilloscope to TP201 (H.SW) and CH-2 to TP202 (Video Out terminal).
- b. Playback a VHS PAL SP test tape.
- c. Trigger the complex Video signal to CH-1 H.SW, and adjust VR201 so that the distance from switching point of H.SW signal to the starting point of vertical synchronized signal is 6.5H± $0.5H (416 \pm 32 \mu sec)$.

Waveform



1-2. Audio Circuit

1-2-1. Record Bias Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
RECORD (SP)	2.5±0.1mV	R473 Both Terminal	VR403

Procedure:

- a. Connect (+), (-) terminal of Level Meter to both terminals R473.: TP403 (+), TP404 (-)
- b. Loading the recording tape and record.
- c. Adjust VR403 so that the oscillation voltage fit to specification.

1-2-2. VCO (Record Current Frequency) Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
AV/EE	1.4MHz±5kHz	IC402 Pin (46)(TP401)	VR401
(without signal)	1.8MHz±5kHz	IC402 Pin ((TP402)	VR402

Procedure:

- a. Disconnect the P4904 connector Ass'y from VHS Main circuit board.
- b. Connect the P4904 Pin (4) to the P4904 Pin (5).
- c. Connect the Frequency Counter to IC402 Pin (45) (TP401) and adjust VR401 so that the Frequency Counter is 1.4MHz±5kHz.
- d. Connect the Frequency Counter to IC402 Pin (20) (TP402) and adjust VR402 so that the Frequency Counter is 1.8MHz±5kHz.

Reference)

The set and the Frequency Counter should be connected with 1:1 probe.

1-3. Tuner/IF Circuit

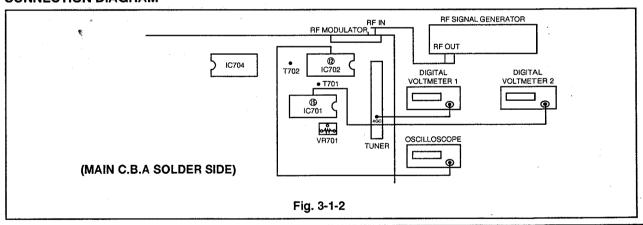
1-3-1. AFC Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
CH-11 (217.25MHz) PAL B/G Reception	DC 2.5V±0.1V	IC701 Pin (§) (AFC TP)	T701

Procedure:

- a. Connect as shown in Fig. 3-1-2.
- b. Receive the CH-11 (217.25MHz, strength of RF electric field : $70dB\mu V$).
- c. Adjust T701 so that the Digital voltmeter 2 is DC $2.5\pm0.1V$.

CONNECTION DIAGRAM



1-3-2. RF AGC Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
CH-11 (217.25MHz) Normal Reception	DC 5.5±0.1V	Tuner AGC Terminal (AGC TP701)	VR701

Procedure:

- a. Connect as shown in Fig. 3-1-2.
- b. Receive the CH-11 (217.25MHz, strength of RF electric field : $70dB\mu V$).
- c. Adjust VR701 so that the Digital voltmeter 1 is DC 5.5 ± 0.1 V.

1-3-3. SIF Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
CH-11 (217.25MHz) Normal Reception	Refer to waveform	IC702 Pin (2) (SIF TP703)	T702

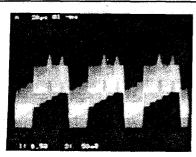
Procedure:

- a. Connect as shown in Fig. 3-1-2.
- b. Receive the CH-11 (217.25MHz, strength of RF electric field : $70dB\mu V$).
- c. Adjust T702 so that the waveform of oscilloscope is as shown in Fig. 3-1-3.

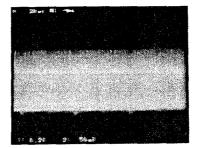
d. Setting mode of oscilloscope

Time: 20µsec. Voltage: 0.5V.

Waveform



Before Adjustment



After Adjustment

Fig. 3-1-3

*Caution in testing

- 1. When practing this adjustment, adjust after more than 10minutes with TV set turning on.
- 2. Adjust after completing itself test of measuring apparatus.
- 3. Sweep OSC marker frequency is followed by Table 1.

*Abbreviation

- APC : Adjacent Picture Carrier
- SIF : Sound Intermediate Frequency
- CIF: Color Intermediate Frequency
- CEN: Center Frequency
- PIF : Picture Intermediate Frequency
- · ASC: Adjacent Sound Carrier

Table 1 Frequency Table

(MHz)

BROADCASTING SYSTEM	ADJUSTMENT MARKER FREQUENCY					
	APC	SIF	CIF	CEN	PIF	ASC
PAL B/G	31.90	33.40	34.47	36.00	38.90	40.40

2. 8mm Circuit Adjustment

2-1. Servo Circuit

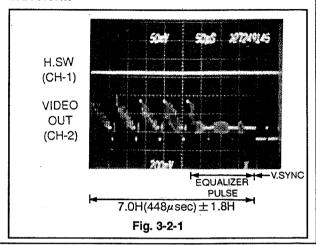
2-1-1. PG Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK	7H±1.8H (1H=64.0μsec)	P2814 Pin ③ (H.SW) PV402 Pin ① (V.Out terminal)	VR202

Procedure:

- a. Connect CH-1 of oscilloscope to TP801 (P2814 Pin ③, H.SW) and CH-2 to TP802 (PV402 Pin ①, Video Out terminal).
- b. Playback a 8mm PAL SP test tape.
- c. Trigger the complex Video signal to CH-1 H.SW, and adjust VR202 so that the distance from switching point of H.SW signal to the starting point of vertical synchronized signal is $7H\pm1.8H~(448\pm115.2\mu\,\text{sec})$.

Waveform



2-2. Y/C Circuit

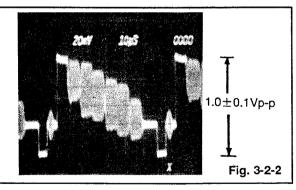
2-2-1. Playback Output Level Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK (SP)	1.0±0.1Vp-p	TP3A1 (8mm Video Out)	VR3A0

Procedure:

- a. Connect CH-1 of oscilloscope to TP3A1.
- b. Playback a 8mm PAL SP test tape (Color bar with 100% white signal).
- c. Adjust VR3A0 so that Video out level is 1.0 ± 0.1 Vp-p.
- d. If only measurement point is the Video out Jack (SCART Jack), specification is 2±0.2Vp-p.

Waveform



2-2-2. Color VCO Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK (SP)	DC 2.5±0.1V	TP3A2	FL3A1

Procedure:

- a. Connect CH-1 of oscilloscope to TP3A2.
- b. Playback a 8mm PAL SP test tape (Color bar with 100% white signal).
- c. Adjust FL3A1 so that DC level is $2.5\pm0.1V$.

2-3. Audio Circuit

2-3-1. VCO Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
	DC 2.05±0.1V	TP4A2	VR4A0
STOP		TP4A4	VR4A4

Procedure:

- a. Connect the Digital Multimeter to TP4A2 and adjust VR4A0 so that the Digital Multimeter is DC2.05 \pm 0.1V.
- b. Connect the Digital Multimeter to TP4A4 and adjust VR4A4 so that the Digital Multimeter is DC2.05±0.1V.

2-3-2. Deviation (L) Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK (SP)	0±0.5dBm	SCART AUDIO (L) OUT	VR4A1
FLATBACK (CI)			

Procedure:

- a. Connect the (+) terminal of Level Meter to SCART Audio (L) Out.
- b. Playback a 8mm PAL Mono test tape.
- c. Adjust VR4A1 so that level is $0\pm0.5 dBm$.

2-3-3. Deviation (R) and Matrix Adjustment

MODE	SPECIFICATION	MEASUREMENT POINT	ADJUSTMENT POINT
PLAYBACK (SP)	0±3dBm	SCART AUDIO (R) OUT	VR4A3
		SCART AUDIO (L), (R) OUT	VR4A2

Procedure:

- a. Connect the (+) terminal of Level Meter to SCART Audio (R) Out.
- b. Playback a 8mm PAL Stereo test tape.
- c. Adjust VR4A3 so that level is $0\pm3 dBm$.
- d. And then, connect the CH-1 of oscilloscope to SCART Audio (L) Out.
- e. Connect the CH-2 of oscilloscope to SCART Audio (R) Out.
- f. Adjust VR4A2 so that the separation of stereo is done well.

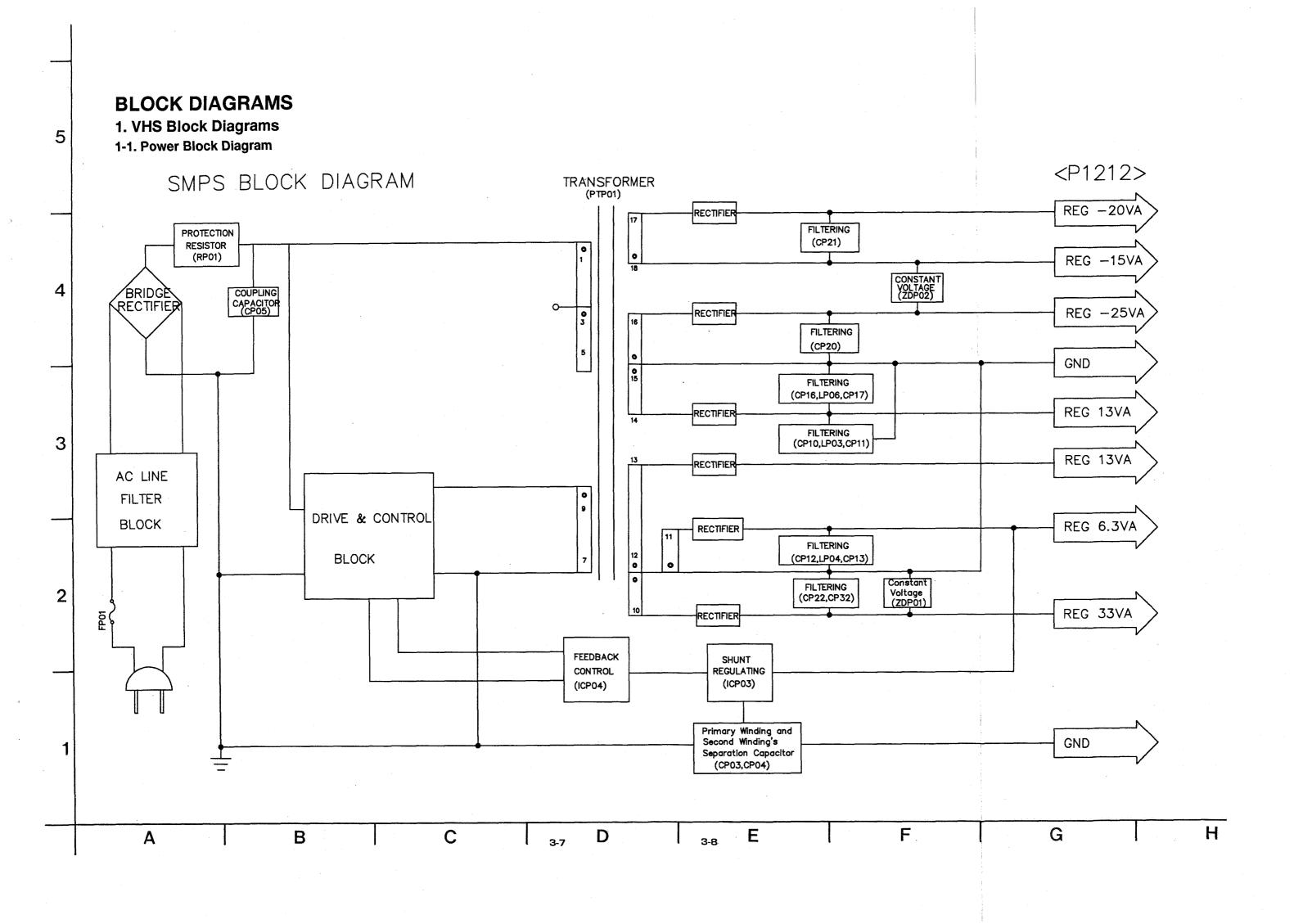
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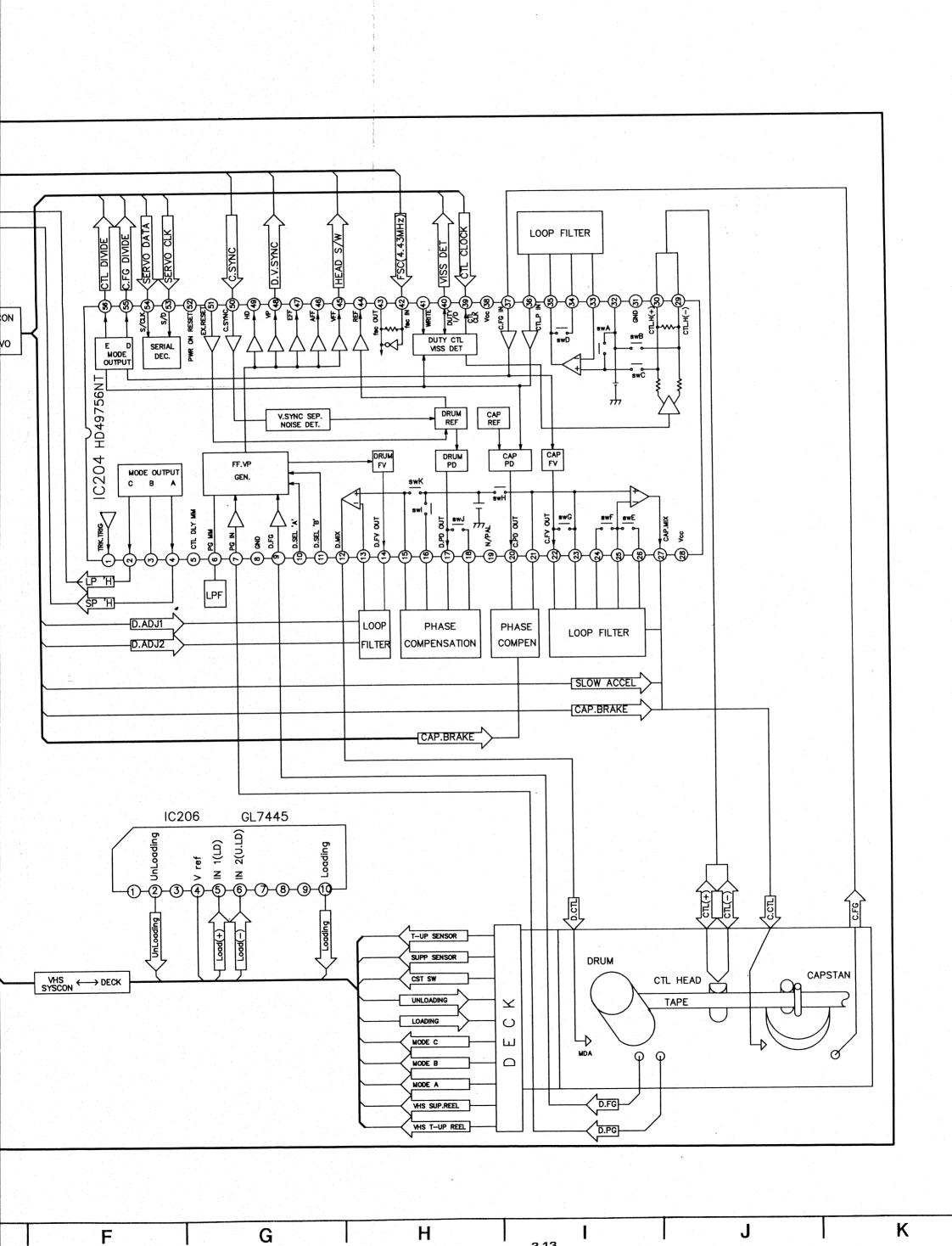
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Creating 1/10231

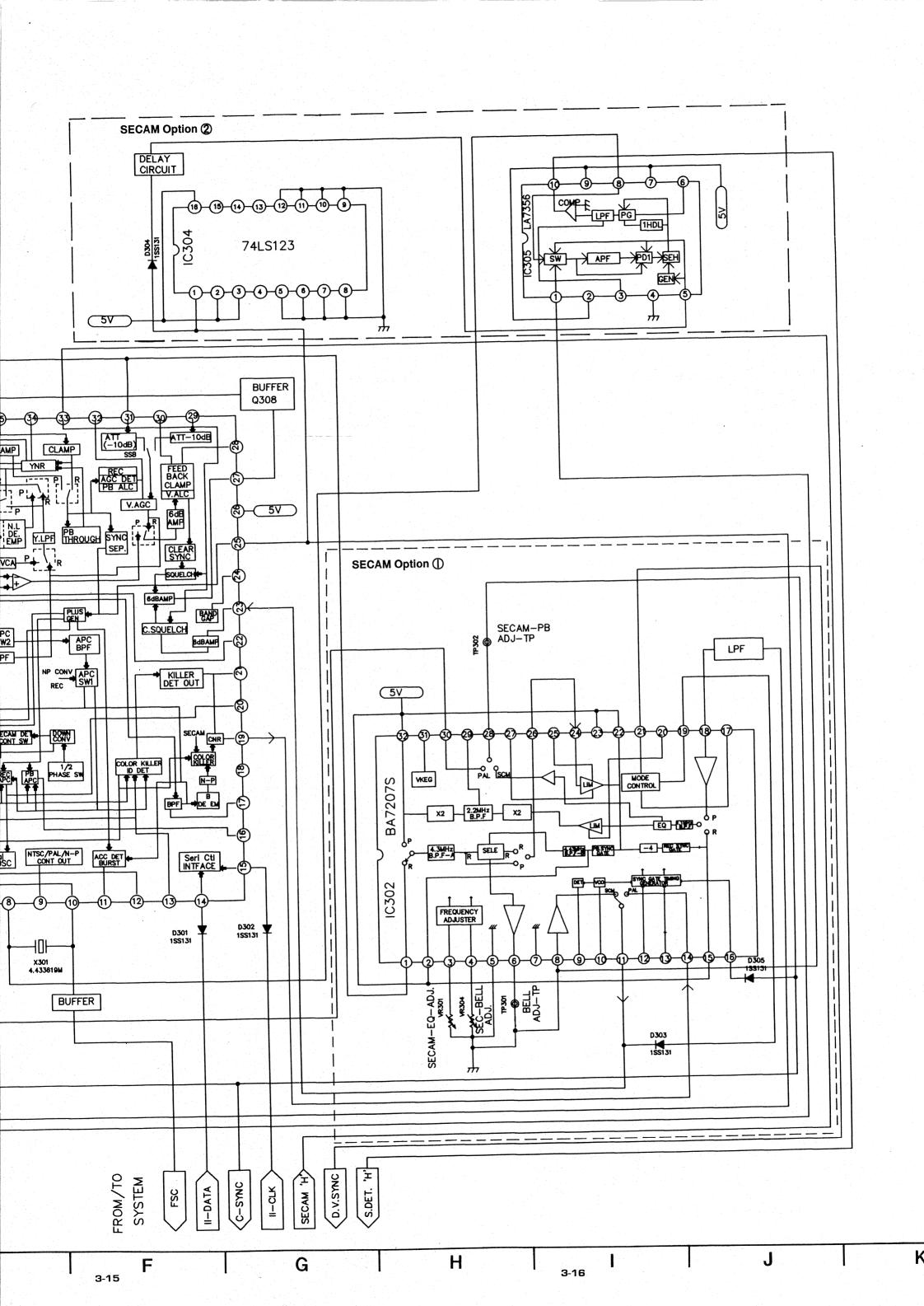
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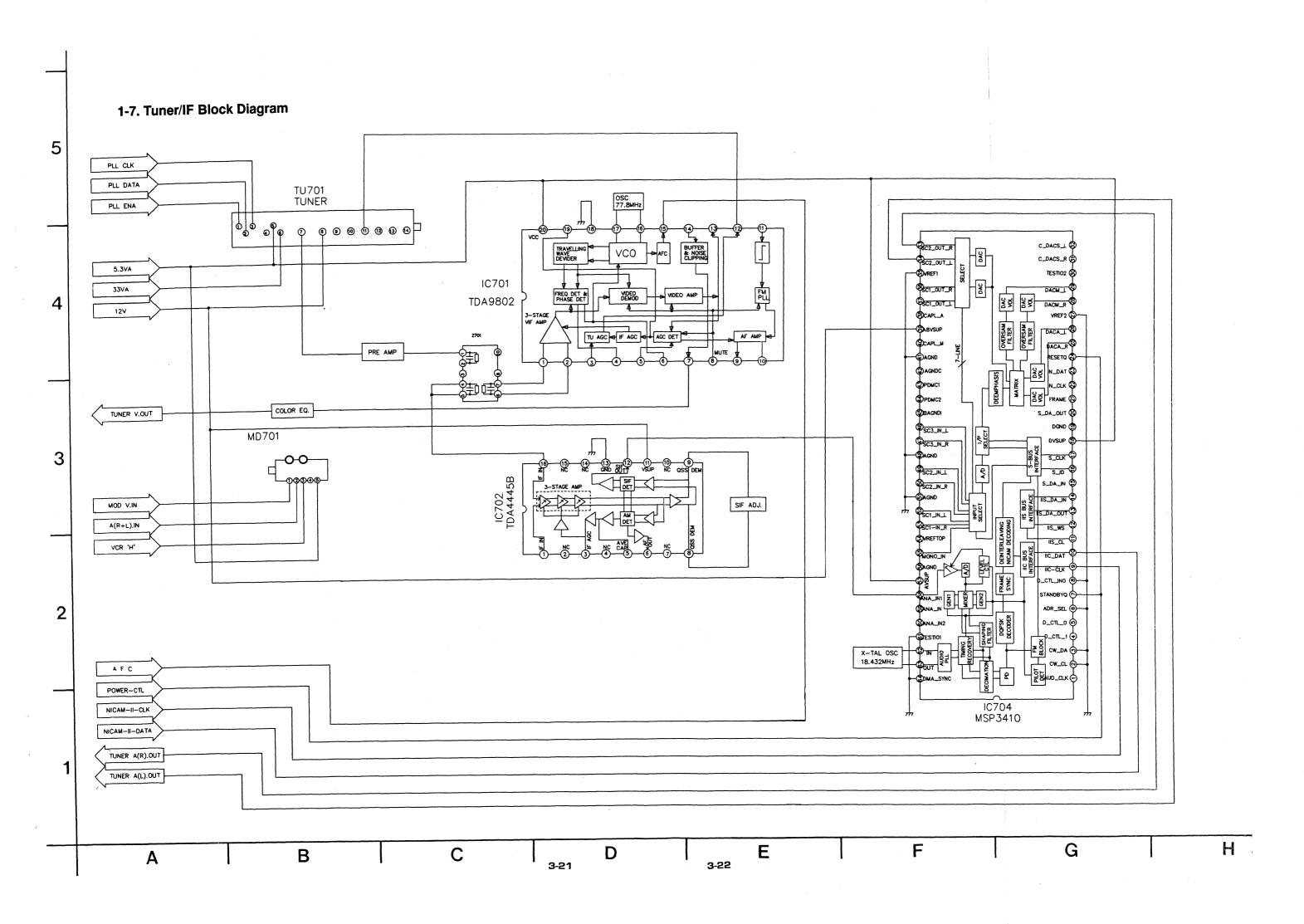
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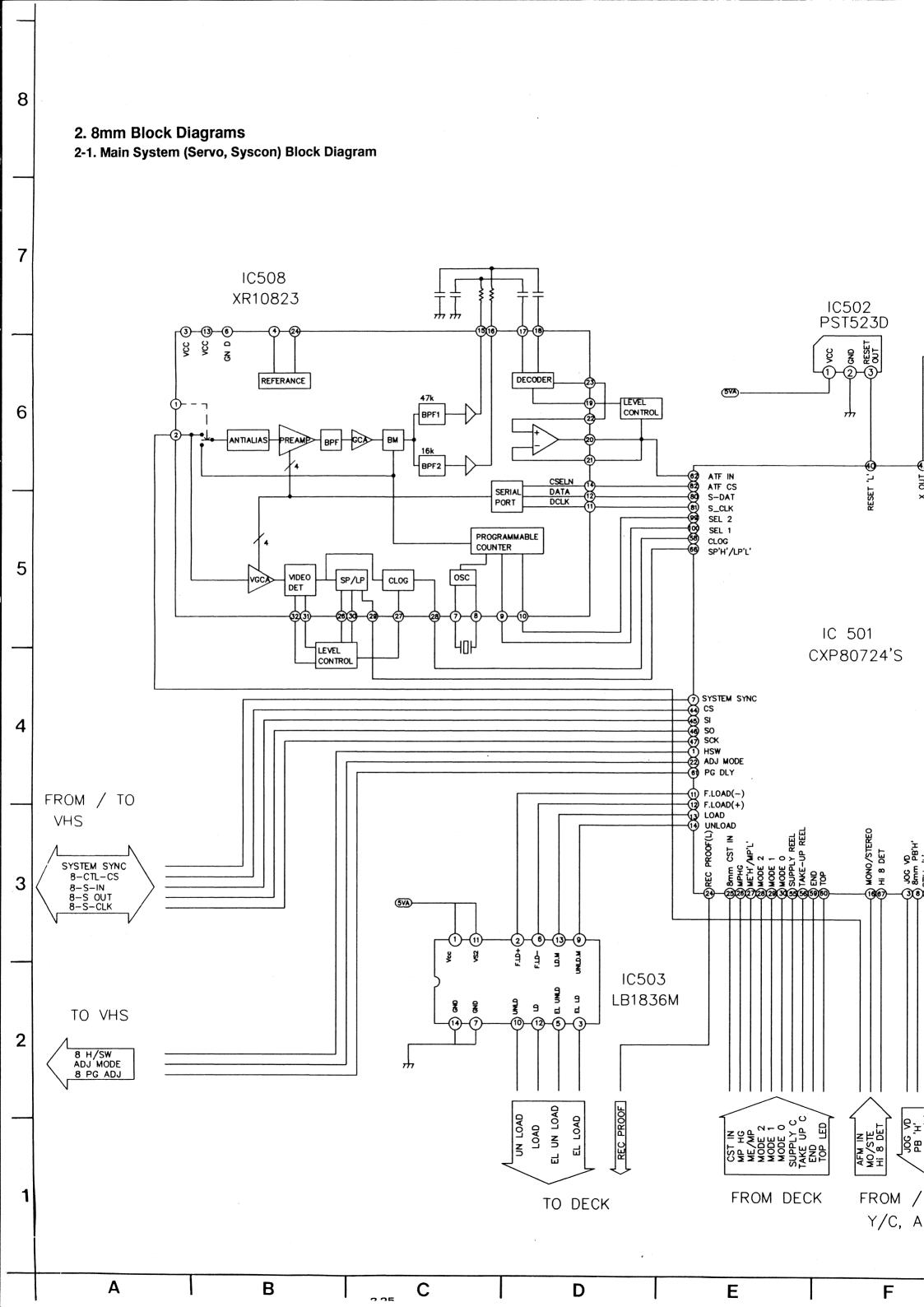


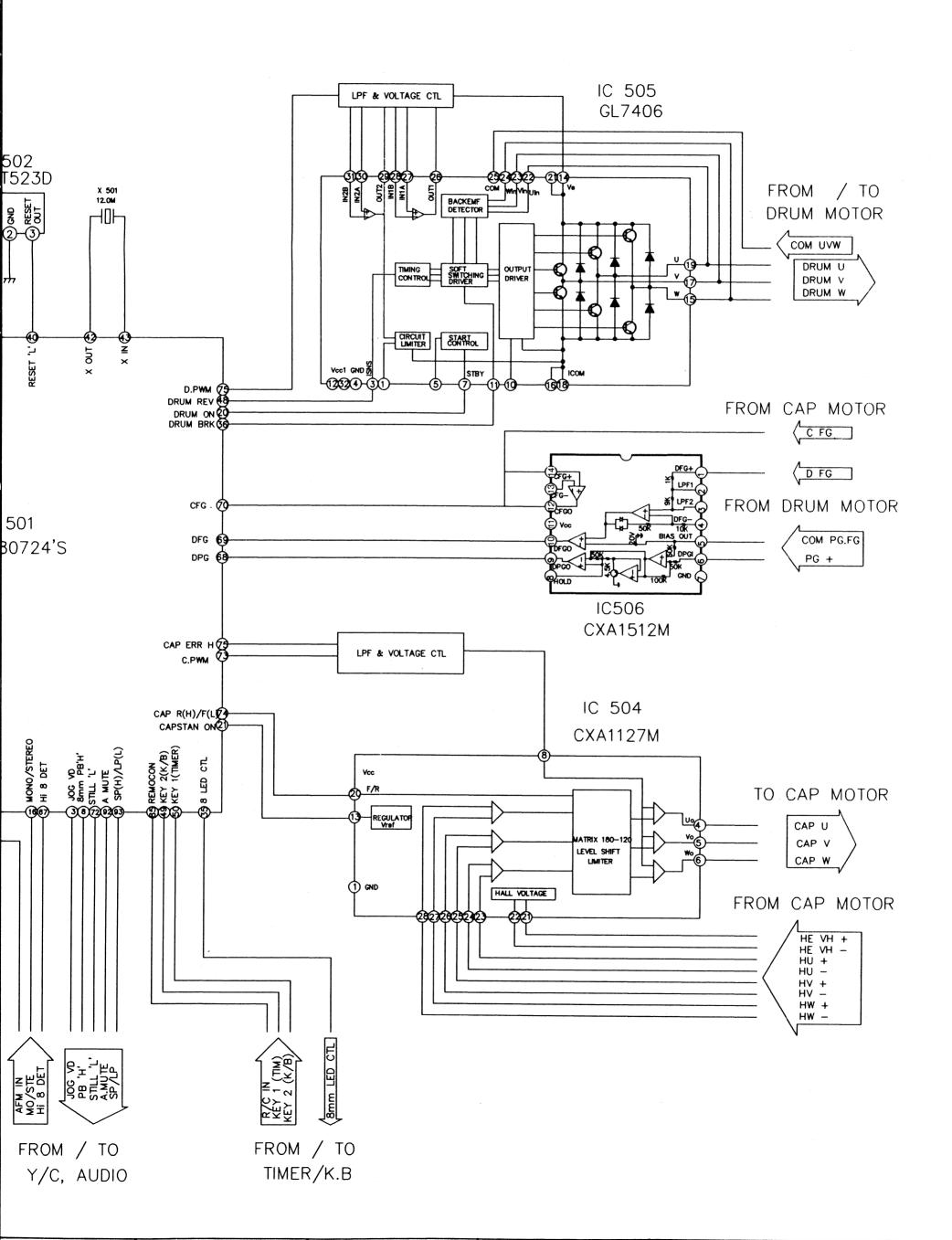
3-13

3-14









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3-28

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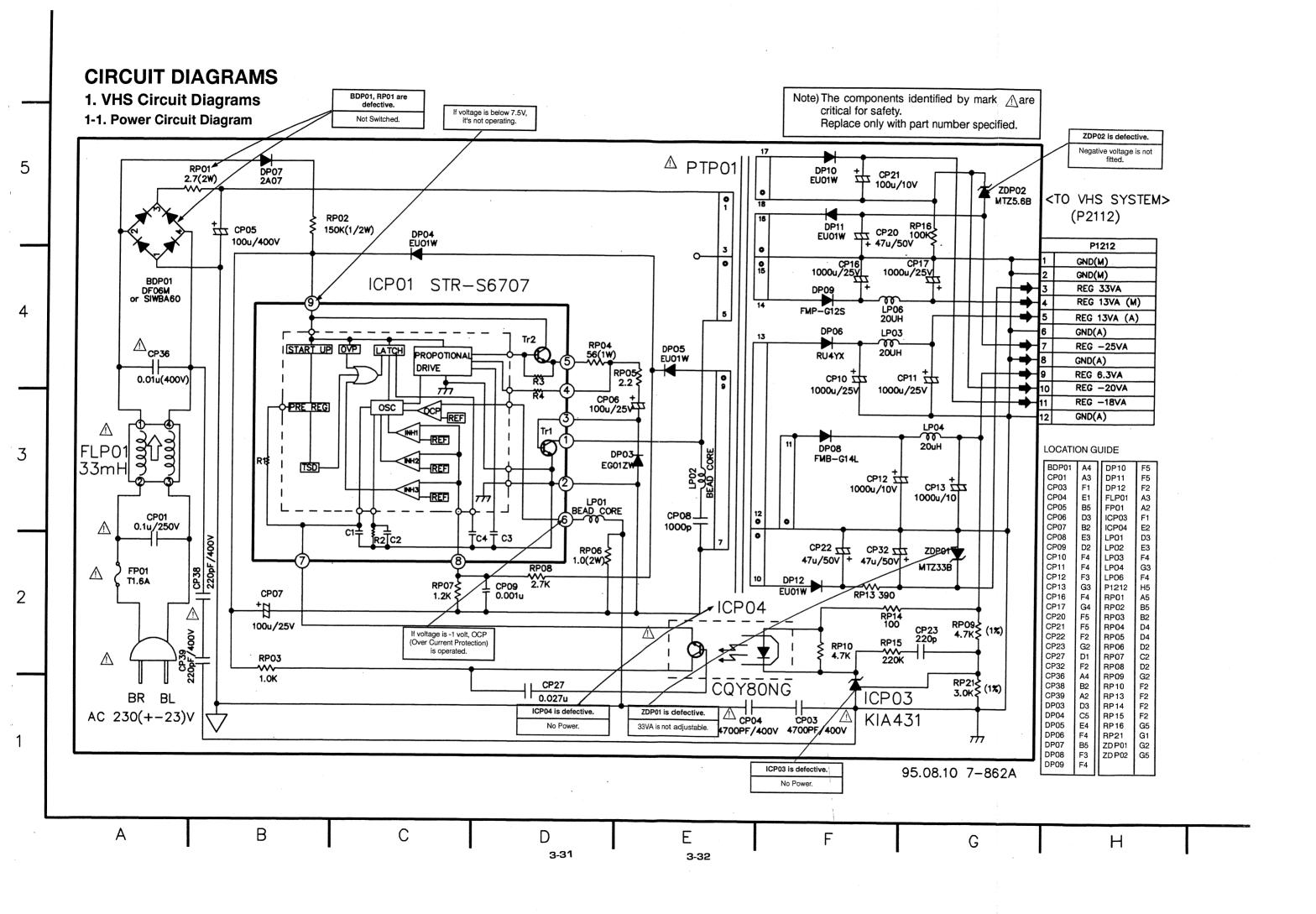
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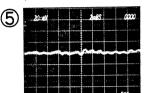
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* VHS System Waveform



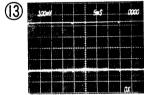
IC204 Pin ①
Tracking Trigger
(100mV/10msec)



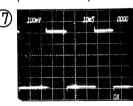
IC204 Pin ②
Capstan Control
(20mV/2msec)



IC204 Pin ③
Capstan Frequency Generator Input (100mV/500µsec)



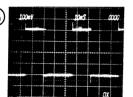
IC204 Pin ® C-SYNC Input terminal (100mV/5msec)



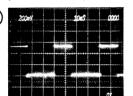
IC204 Pin
Control Count Down
Output terminal
(100mV/10msec)



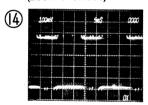
IC204 Pin ⑥
PG Mono-Multi
(100mV/2msec)



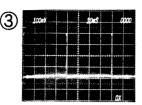
IC204 Pin
Record Control (-)
(100mV/10msec)



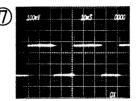
IC204 Pin 39 Control Clock (200mV/10msec)



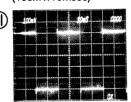
IC204 Pin
Servo Data Input terminal (100mV/5msec)



IC204 Pin①
PG Input
(100mV/10msec)



IC204 Pin ③ Record Control (+) (100mV/10msec)

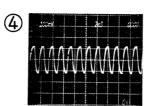


IC204 Pin

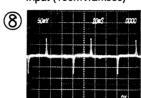
Video Head Switching
Pulse (100mV/10msec)



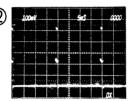
IC204 Pin
Servo Clock Input terminal (100mV/5msec)



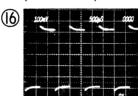
IC204 Pin ③ Drum Frequency Generator Input (100mV/2msec)



IC204 Pin
Playback Control Pulse (50mV/10msec)



IC204 Pin
Vertical Pulse (VP) (100mV/5msec)



IC204 Pin (5)
CFG (Capstan Frequency
Generator)Count Down
Output terminal
(100mV/500µ sec)

* VHS System IC Voltage Sheet

21

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5.45 (5.46)

5.44 (5.16)

4.44 (0.00)

5.35 (5.34)

1.63 (1.20)

5 44 (5 43)

0.05 (0.26)

0.40 (0.30)

5.17 (0.00)

5.30 (5.30)

5.31 (5.30)

2.68 (2.68)

1.32 (0.55)

2.28 (3.86)

IC201 (M38185EEFP) PB (REC) [V] Voltage [V] Voltage [V] 5.48 (5.46) Pin No. Pin No. Voltage [V] 35 69 0.00 (0.00) 0.307 (4.67) 2.43 (2.40) 0.00 (0.00) 70 3 4.45 (4.53) 2.70 (2.71) 0.00 (0.00) 5.18 (5.25) 38 2.48 (2.50) 0.00 (0.00) 5 5.16 (5.23) 39 2.64 (2.66) 0.00 (0.00) 6 4.60 (4.60) 40 5.36 (0.00) 5.45 (5.45) 5.31 (5.30) 41 5.48 (5.46) 0.11 (0.11) 5.31 (5.32) 5.47 (5.46) 3.49 (3.47) 5.30 (5.32) 43 0.02 (5.46) 0.02 (0.00) 10 5.26 (5.23) 44 0.00.(0.00) 78 0.01 (0.69) 2.67 (2.61) 11 45 5.33 (0.00) 79 4.98 (5.13) 12 0.00 (0.00) 2.66 (5.27) 4.25 (4.32) 13 0.00 (0.00) 47 2.69 (2.70) 14 0.00 (0.00) 48 2.28 (5.33) 5.47 (0.00) 15 0.20 (0.20) 49 5.46 (5.43) 83 0.00 (5.36) 16 0.40 (0.40) 0.01 (0.00) 0.58 (5.43) 17 0.54 (0.55) 5.45 (0.00) 5.47 (5.43) 85 18 0.25 (0.24) 52 0.01 (1.86) 5.41 (5.37) 19 20 0.45 (0.20) 53 0.02 (5.43) 5.40 (5.38) 0.08 (0.20) 54 0.01 (5.45) 0.00 (0.00)

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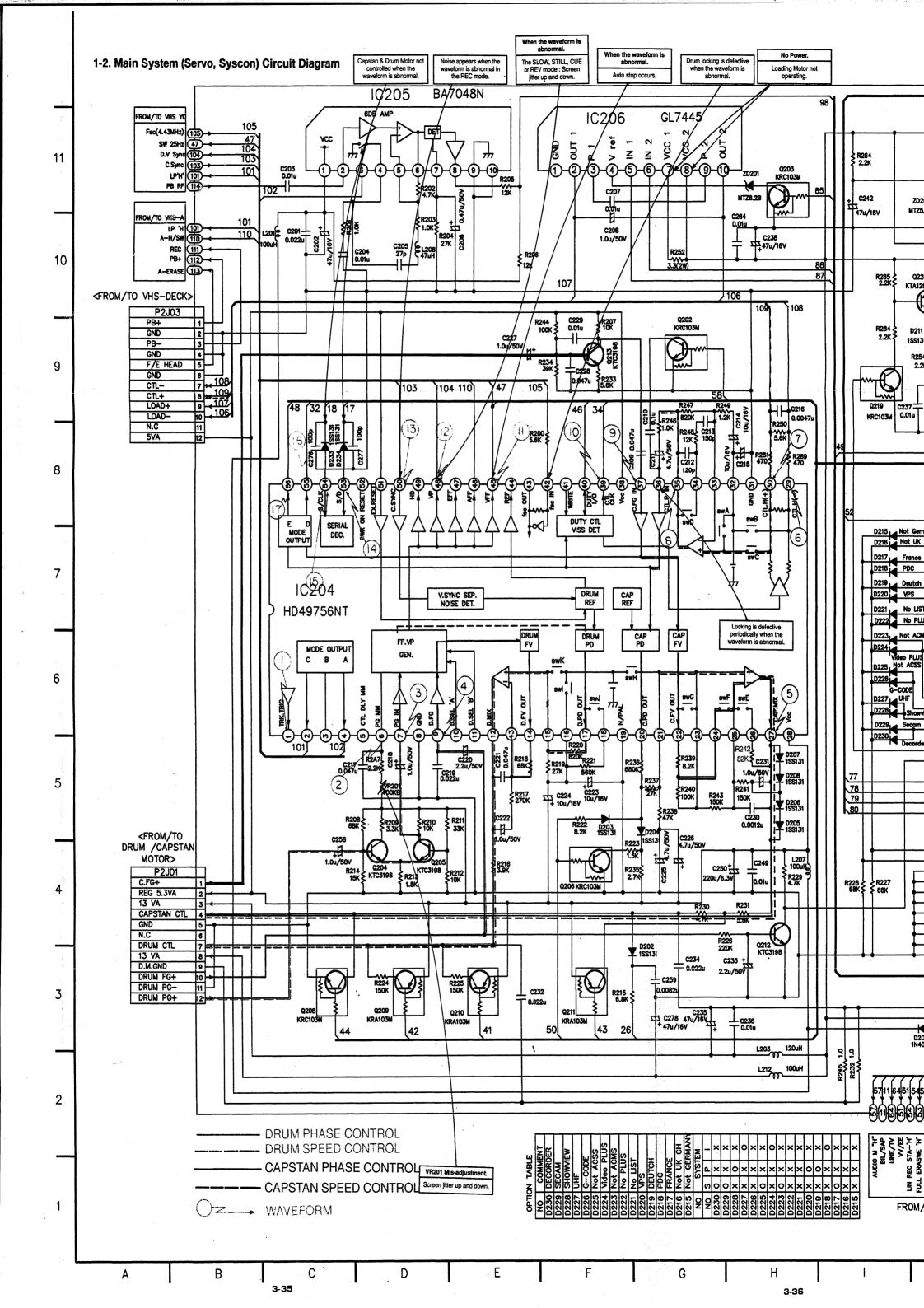
 VHS System 	TR	Voltage	Sheet
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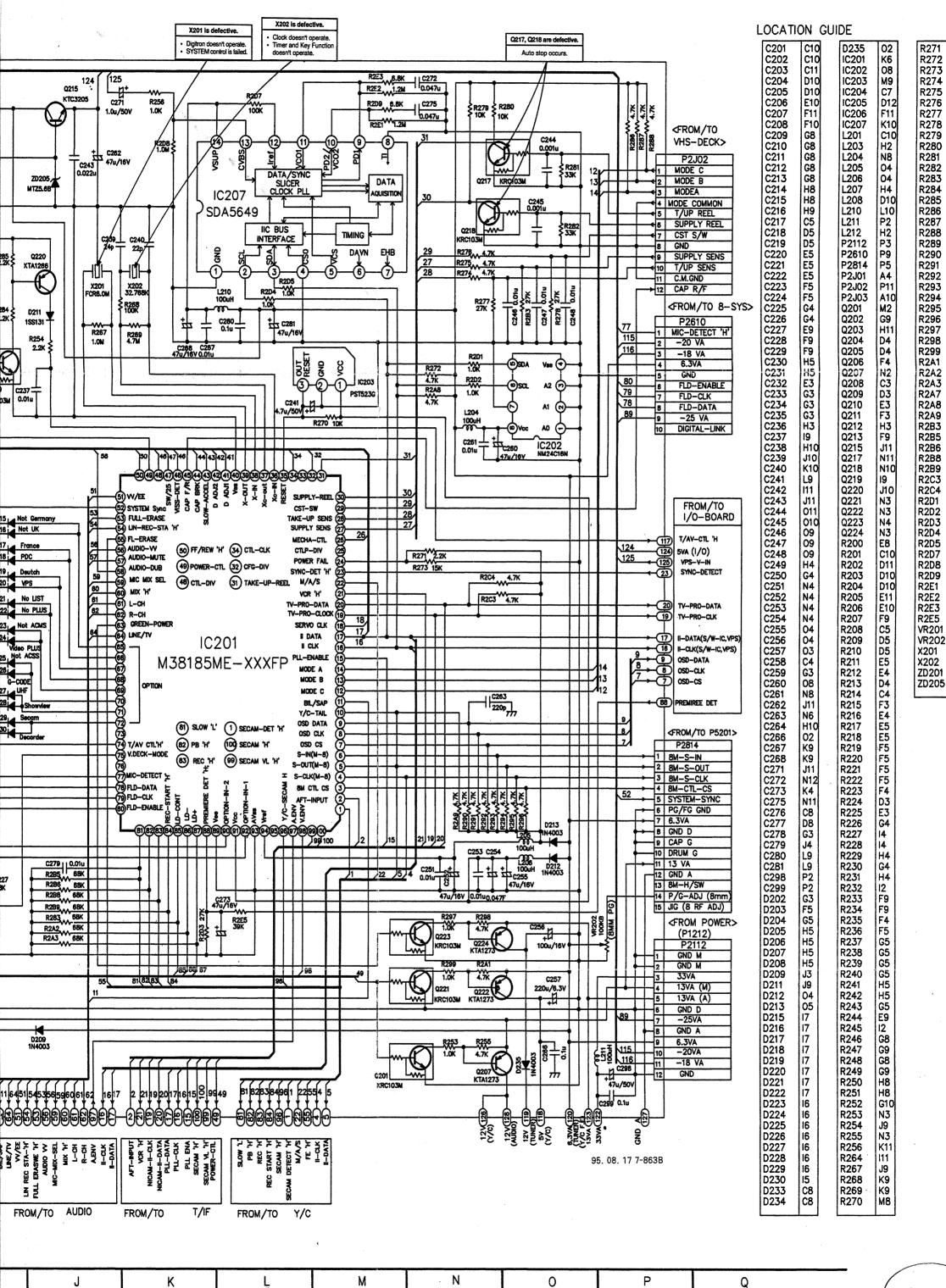
(PB/REC mode)

Port TR No.	Emitter	Collector	Base
Q202	0.00/0.00	1.33/0.00	0.00/0.00
Q203	0.00/0.00	0.00/0.00	5.40/5.34
Q204	0.64/0.64	5.28/5.23	0.98/0.96
Q205	0.65/0.65	1.32/1.33	0.00/1.23
Q206	0.00/0.00	5.29/5.28	0.00/0.00
Q208	0.00/0.00	2.71/2.69	0.00/0.00
Q209	5.32/5.28	1.13/1.15	5.41/5.37
Q210	5.29/5.28	1,15/1.15	5.41/5.37
Q211	5.12/5.10	2.72/2.70	5.40/5.37
Q212	0.00/0.00	0.12/0.12	0.64/0.64
Q213	0.92/0.95	3.60/3.59	1.47/1.46
Q217	0.00/0.00	5.19/5.20	4.83/4.80
Q218	0.00/0.00	0.00/4.77	4.80/4.77
Q221	0.00/0:00	0.00/0.00	5.40/5.40
Q222	6.13/6.12	5.92/5.90	0.00/5.34
Q223	0.00/0.00	0.10/0.10	5.39/5.37
Q224	13.34/13.33	13.25/13.23	8.51/0.00
Q225	0.92/0.95	3.60/3.59	1.47/1.46

PB (REC)

2 (5)	2.5 (2.5)	0.7 (0.7)	1.1 (1.1)	3.8 (3.8)	5 (5)	0.2 (0.9)	0 (0)	0 (0)	2.5 (2.5)				2.6 (2.6)	2.6 (2.6)	0 (0)	5 (5)	2 (3.6)	5 (5)	2.4 (2.4)	2.5 (2.5)				2.5 (2.5)		2.5 (2.7)	2.5 (2.1)
	55					50					45					40				-	35					30	
										10	C2 (04	(H	D4	97	56	NT)									
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3.6	n	0	5	0	0.2	2.1	0	2.7	2.7	2.7	1.4	2.5	2.5	2.5	2.5	2.5	2.4	0	2.5	2.5	2.5	2.5	2.5	2.5	2.7	2.7	5





3-38

R273

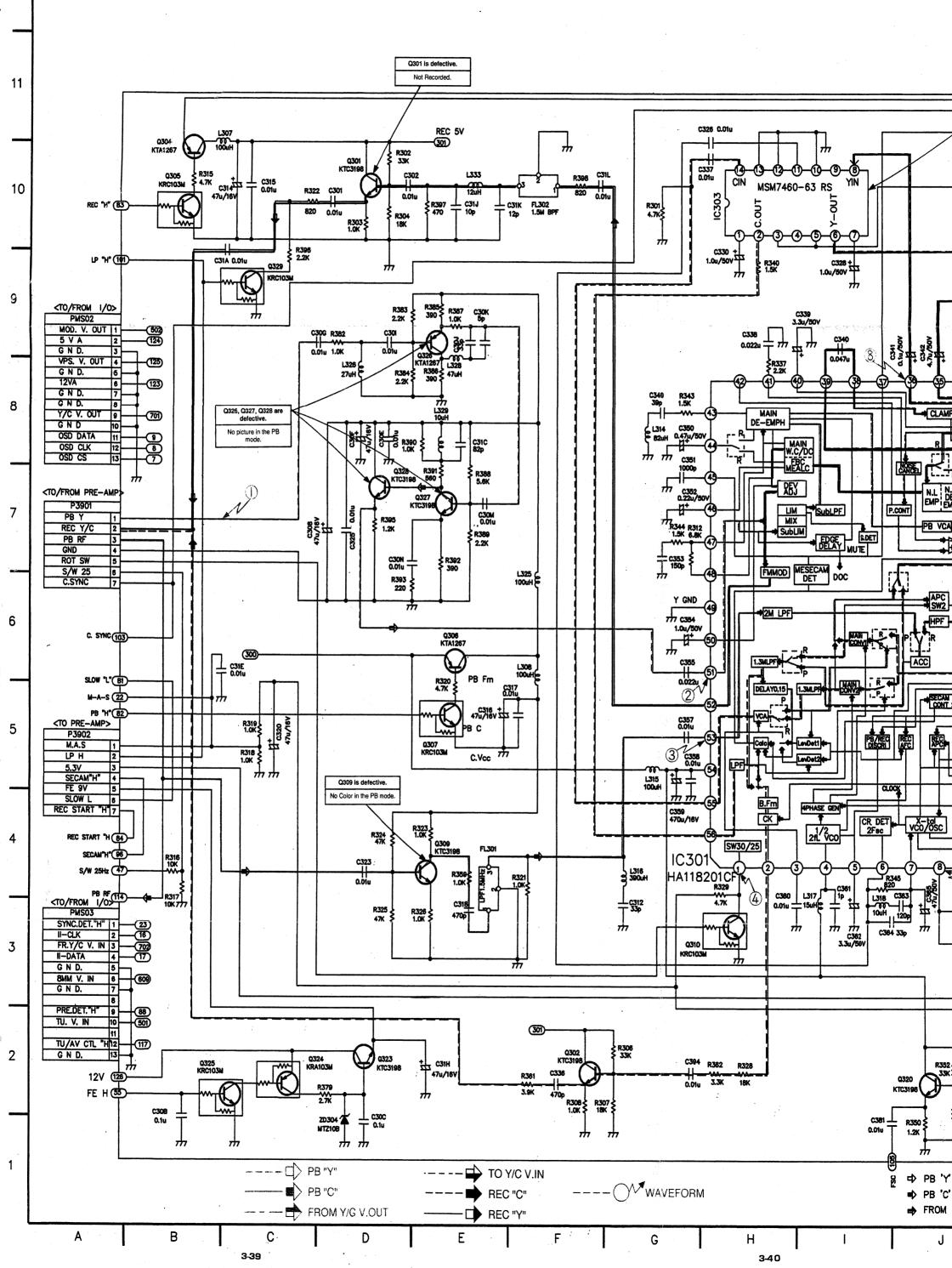
R274

R275

R276

R277

R278



LOCATION GUIDE C301 C302 C303 L321 L322 N6 M5 F6 D8 E8 E8 M10 E10 L10 A7 A5 A9 A3 D10 F2 B10 IC303, Q312, Q313 are D10 N6 C7 B2 D1 D8 C308 C30B C30C L325 L326 L328 L329 L331 L333 L334 P3901 P3902 C30E C30F C30G C30I C30J D8 C9 D9 E9 E9 O9 E7 D7 G3 B10 L334 **C30K** C30L C30M C30N C312 PMS02 PMS03 Q301 Q302 Q312 C329 + 47u/16V 0.014 L311 100uH 1.0K C314 C315 C316 C317 C318 C31A C31C C31E C31H C31J C31K Q304 Q305 Q306 Q307 Q308 Q309 Q311 Q312 Q313 Q315 Q320 Q323 Q324 Q325 Q326 Q327 KTC3198 Q313 KTA126 C10 E5 E5 E3 B9 E8 C6 E10 E10 C5 D4 M2 D7 G11 **B10** L331 E6 E5 N7 E4 G3 P2 L10 M10 M3 J2 D2 C2 E9 E7 D7 C9 G10 D10 C30L 0.01u 68uH 68uH # # # # C333. 82p -C374 24p R331 1.2K C375 47u/16V C343 3.3u/50V C344 2.2u/50V D307 1N4003 **C31L** # C320 C323 C324 C325 C326 th D308 |◀ 1N4003 C345 XXX C368 Ou/16V + 0.47u/50V 0.01u L313 100uH **118**) 5V C334 + C D309 1N4003 ₁ \$\$.¥ R311 Q328 Q329 ATT (-10dB) C327 K10 ATT-10dB C369 7 2.7K C328 19 CLAMP 0.22u/50V777 CLAMP C329 C330 C332 C333 C334 R301 R302 R303 R304 R306 104 D.V.SYNC K10 H9 L9 L9 M8 FEED BACK CLAMP V.ALC C370 470u/16V L319 V.AGC C335 C336 C337 C338 C339 C340 C341 M9 F2 G10 H9 H9 R307 9 R336 120 R308 R309 R311 R312 R313 R315 N.L N.L DE. EMP 丁6371 THROUGH SYNO Y.LPF SEP. C SYNC סללד Q308 PB VCA-19 19 KTA1267 SQUELCH C372 777 10u/16V C342 C343 C344 C345 C349 R316 R317 R318 R319 R320 R321 R322 R323 R324 R325 R326 R328 R329 R331 R332 R333 R334 R336 R337 R340 R342 6dBAMP , C373 470p BANP C.SQUELCH APC SW2 BdBAMF C350 C351 C352 C353 C354 APC BPF C398 1.0u/50V NP CONV APC KILLER DET OUT 1321 6 220uH R342 0.47u/50V R313 220 C355 C357 C358 C359 C360 C361 C362 C363 C364 C365 ACC C303 -1 C377 0.022u 777 CONV COLOR KILLER ID DET 777 C378 18p N-P C366 BPF R343 R344 R345 R346 R347 R350 R351 R352 R353 R354 R362 R379 R362 R379 C367 C368 C369 C370 C371 C372 C373 C374 C375 C376 NTSC/PAL/N-P CONT OUT vco/osc ACC DET BURST Seri Cti INTFACE N7 M9 N10 Q315 KRC103M М6 М6 **(**5) C377 C378 C379 C380 M5 M4 M4 X301 C366 0.1u C367 0.068u ж 11 G2 C381 C398 C399 D301 D302 R384 R385 R386 R387 R388 D8 E9 E8 E9 E7 E7 D8 E7 E7 М6 3212 L302 150uH D307 09 D308 D309 FL301 IC301 IC303 L302 L307 L308 L311 L312 09 P8 E4 G4 H10 R389 R390 R353 ≥ R354 10K ≥ 10K C399 R391 R392 0.01u (31) W H R393 Q311 KRC103M J3 B11 F6 O10 L10 D7 C9 R395 D301 D302 R396 R397 R398 155131 E10 F10 J4 D1 X301 L313 L314 M8 G8 G5 G4 I4 ZD304 R350 § 1.2K L315 L316 L317 L318 95.08.10 7-864B TO Y/C V.IN PB 'Y' ▶ PB 'C' REC 'C' ⇒ FROM Y/C V.OUT → REC 'Y' N 0 P Q М

3-41

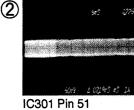
VHS Y/C Waveform



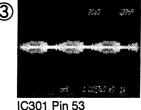
P3901 Pin 1



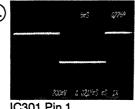
(10mV/20µsec)



(50mV/5msec)



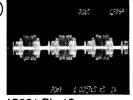
IC301 Pin 53 (5mV/20µsec)



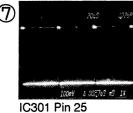
IC301 Pin 1 (200mV/5msec)



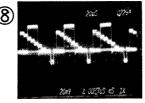
IC301 Pin 8 (50mV/200nsec)



IC301 Pin 19 (20mV/20µsec)



(100mV/20µsec)



IC301 Pin 36 (20mV/20µsec)

Video Out Terminal (100mV/20µsec)

* VHS Y/C TR Voltage Sheet

(PB/REC mode)

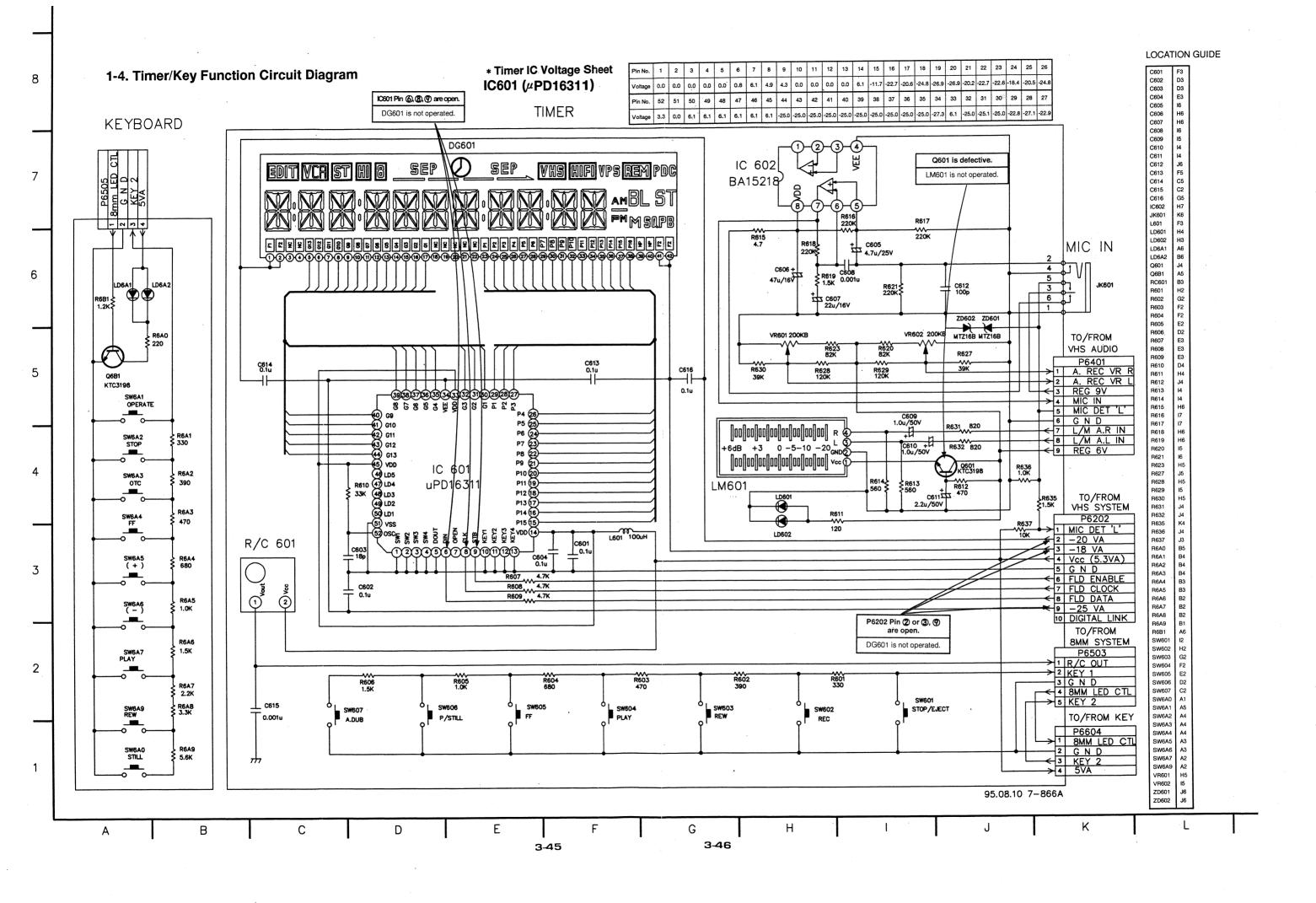
Port TR No.	Emitter	Collector	Base
Q301	0/1.09	0/4.9	0/1.66
Q308	2.97/2.21	0/0	0.02/0.1
Q312	0.04/3.4	4.89/0.04	3.66/0.05
Q313	1.51/1.7	0/0	2.14/2.28
Q326	3.15/0	1.76/0	2.49/0
Q327	1.34/0	2.57/0	0.74/0
Q328	1.97/0	4.9/0	2.58/0
			·

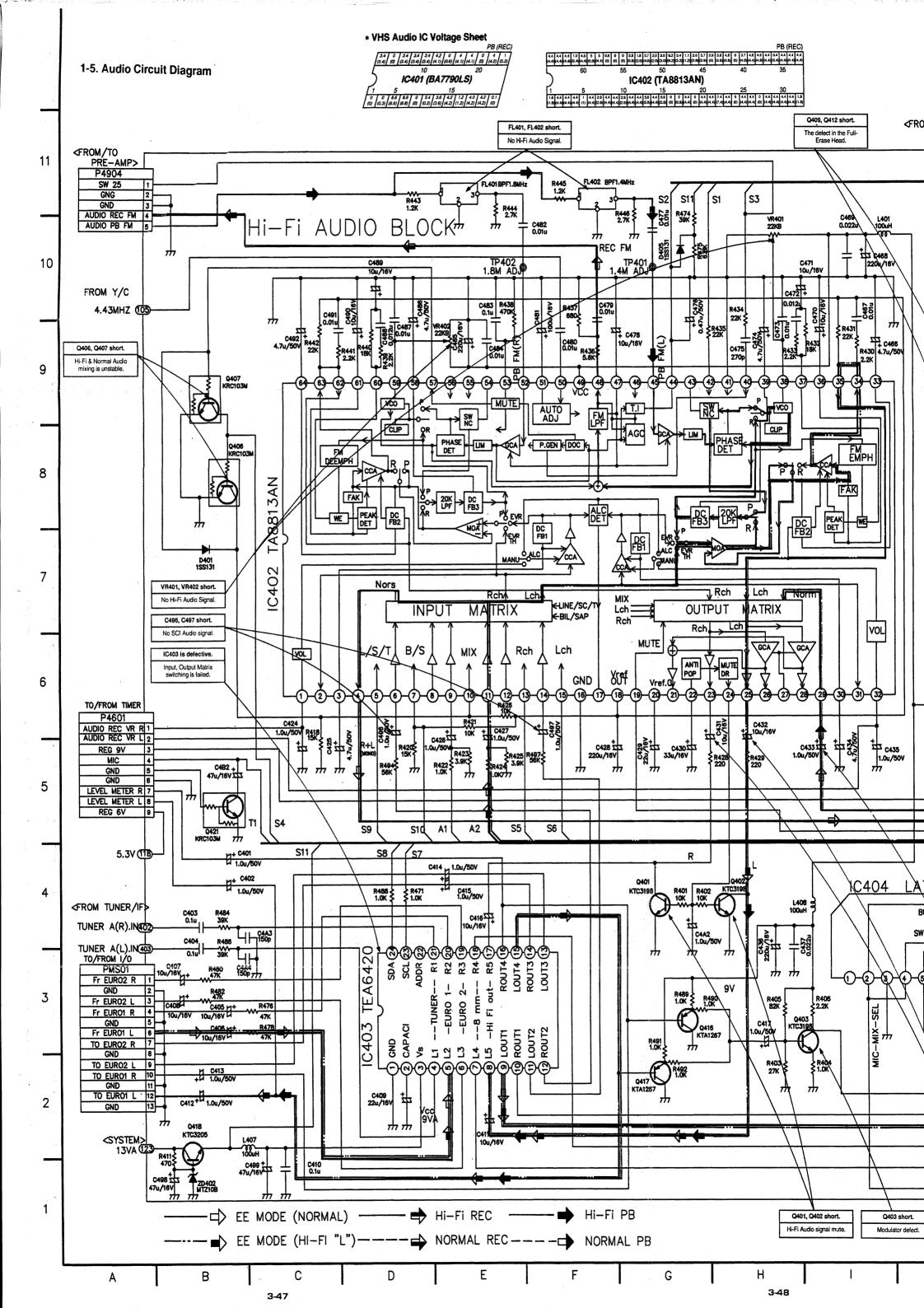
* VHS Y/C IC Voltage Sheet

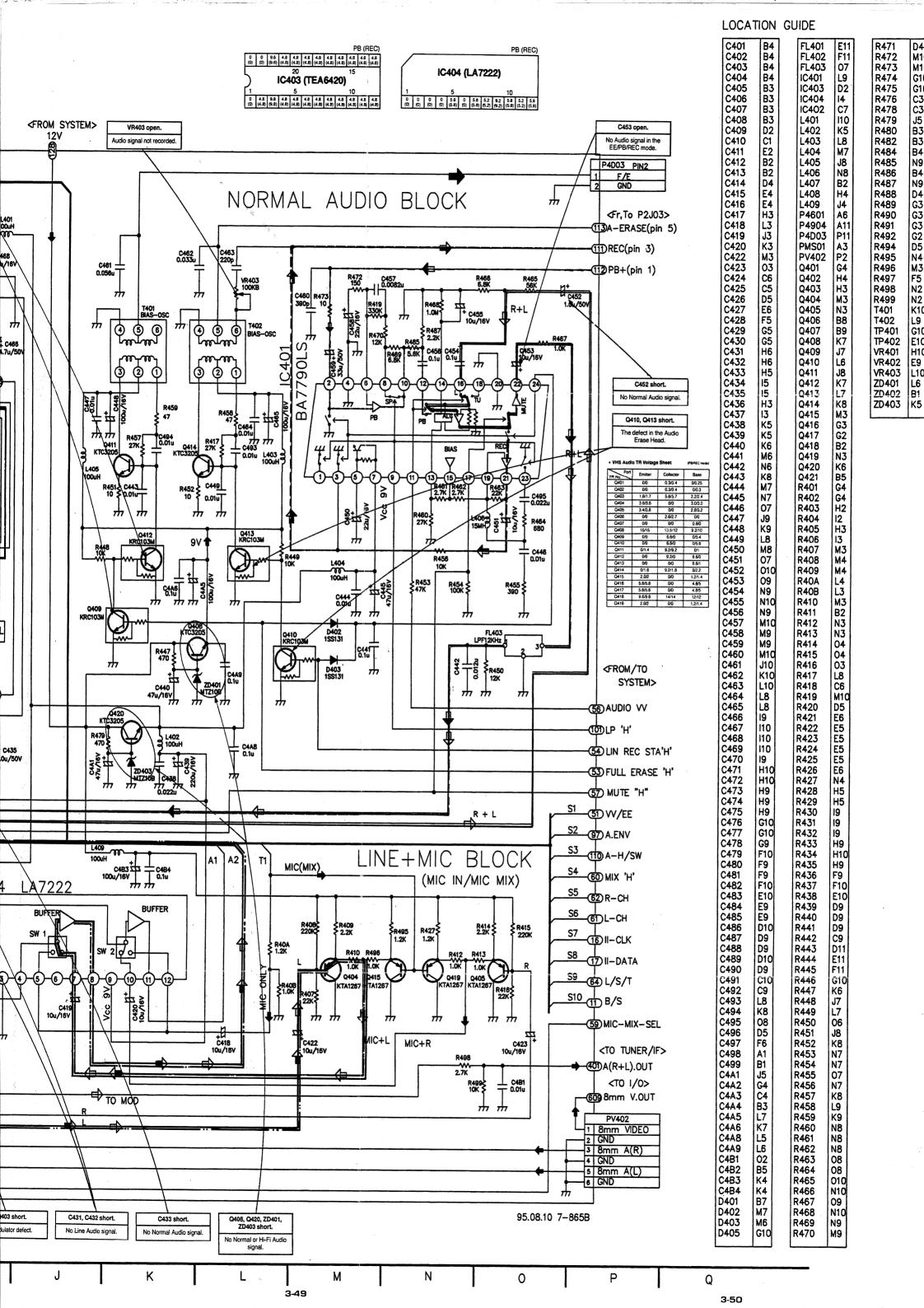
PB (REC)

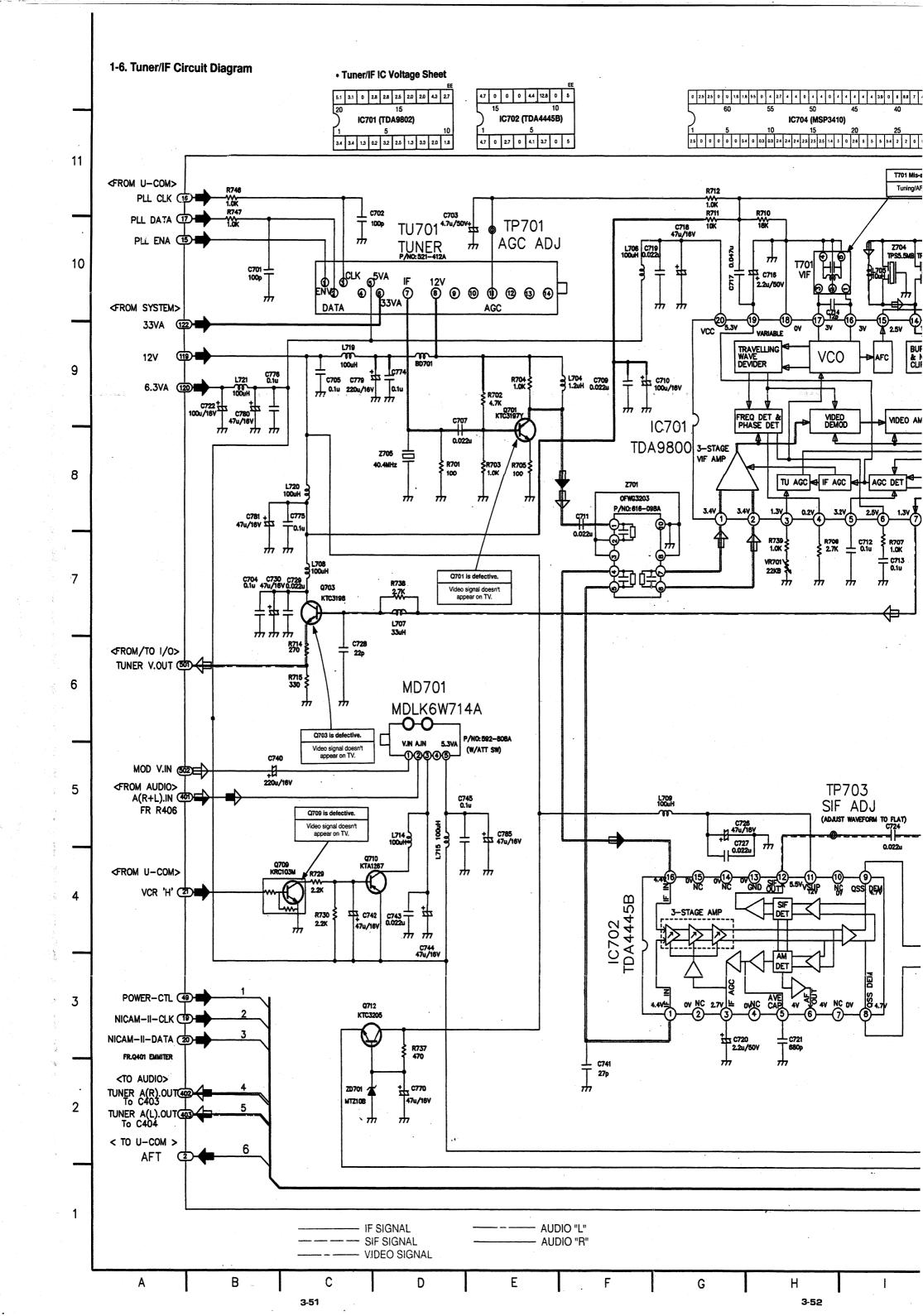
	0.32 (0.05)	0.27 (0.05)	1.62 (0.06)	0.28 (2.27)	0.1 (2.88)	0.21 (0.27)	2.43 (2.21)	3.08 (0)	1.42 (1.46)	0.06 (0)	1.70 (2.23)	3.01 (3.02)	2.8 (3.06)	3.03 (3.05)	
0 (1.9)			40					35					30		2.79 (2.28)
2.72 (2.77)															2.38 (1.62)
0.08	45														4.7 (4.67)
1.88 (1.93)														25	0.39 (0.39)
1.43 (2.04)										٠					0.02 (2.84)
1.44 (0.04)															1.94 (1.95)
0.01 (0)					IC3	01	(HA	118	201	CF)					4.62 (4.6)
0.01 (1.9)	50														0.13 (4.54)
2.79 (0.87)														20	0.25 (2.7)
4.23 (0.04)															2.14 (2.13)
0.08 (2.15)															0 (0.07)
0.08 (4.8)															2.86 (0.08)
4.82 (2.89)	55.														2.80 (0.09)
4.06 (4.01)	1				5					10				15	4.73 (4.75)
	2.44 (0.07)	0 (2.12)	3.57 (3.48)	4.86 (4.81)	2.79 (2.96)	2.82 (2.8)	2.83 (2.8)	2.17 (2.16)	0.09 (0.08)	3.20 (3.2)		2.216 (2.16)	1.29 (2.42)	4.73 (4.6)	

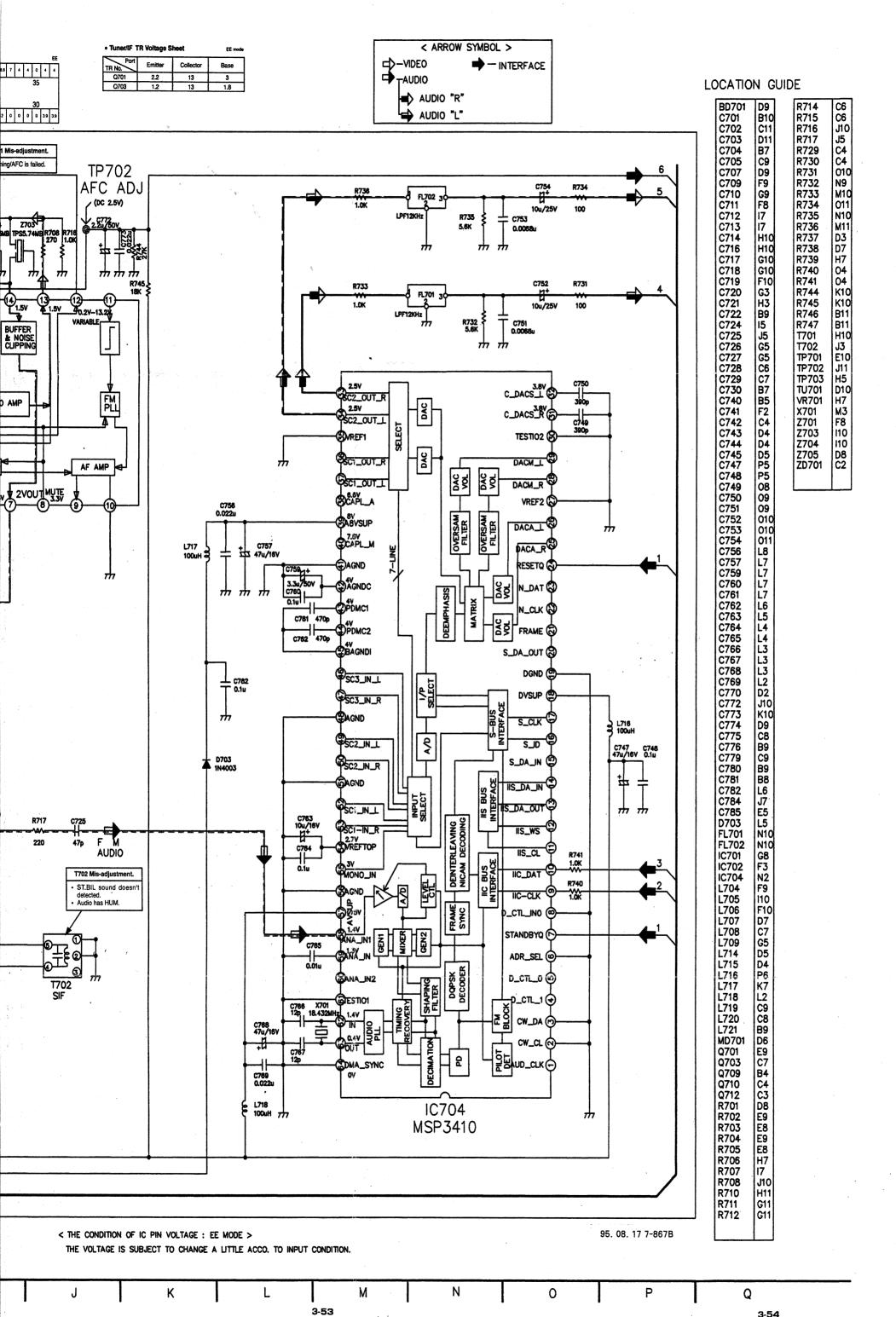
0.03	0	0	25	0		(REC)
(1.42)	(0)	(0)	2.5 (2.48)	(0)	(0.05)	(1.69)
				10		
	IC3	03 (MS	M74	1 60)	
1			-	5	-	
0.05	4.12	4.91	0.05	4.87	3.67	1.96
(0.07)	(4)	(4.85)	(0.06)	(4.83)	(3.99)	(1.83)

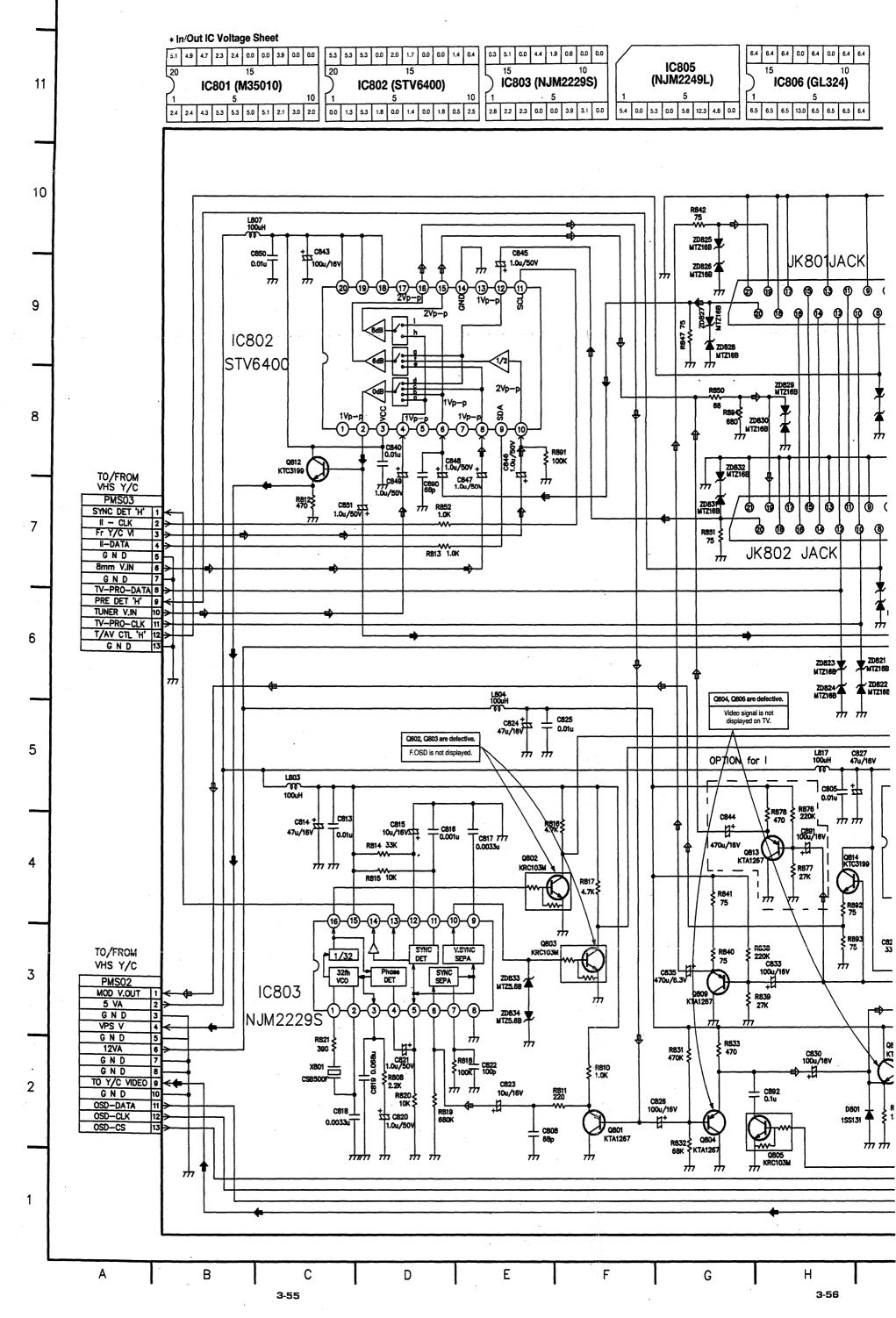


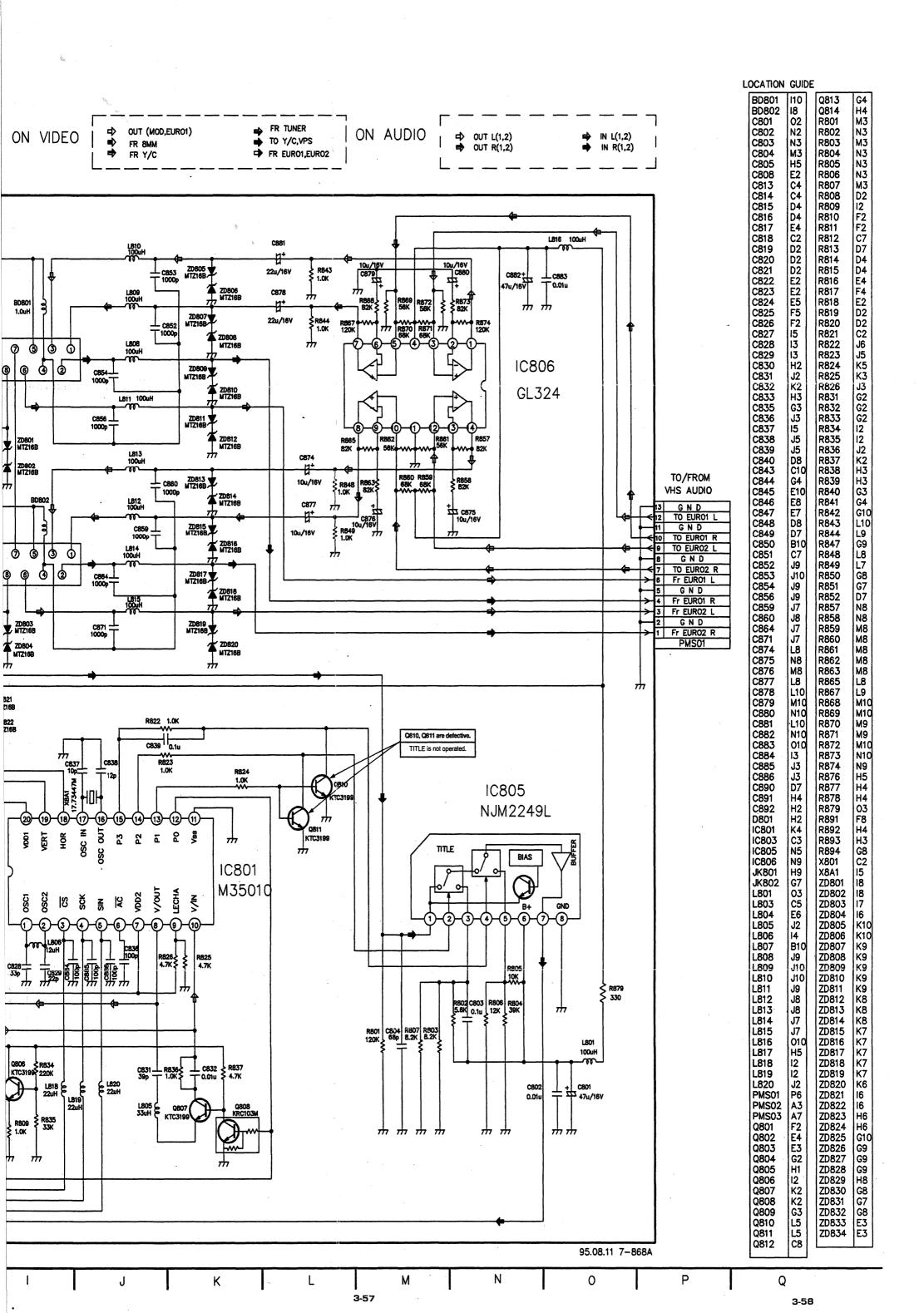












D

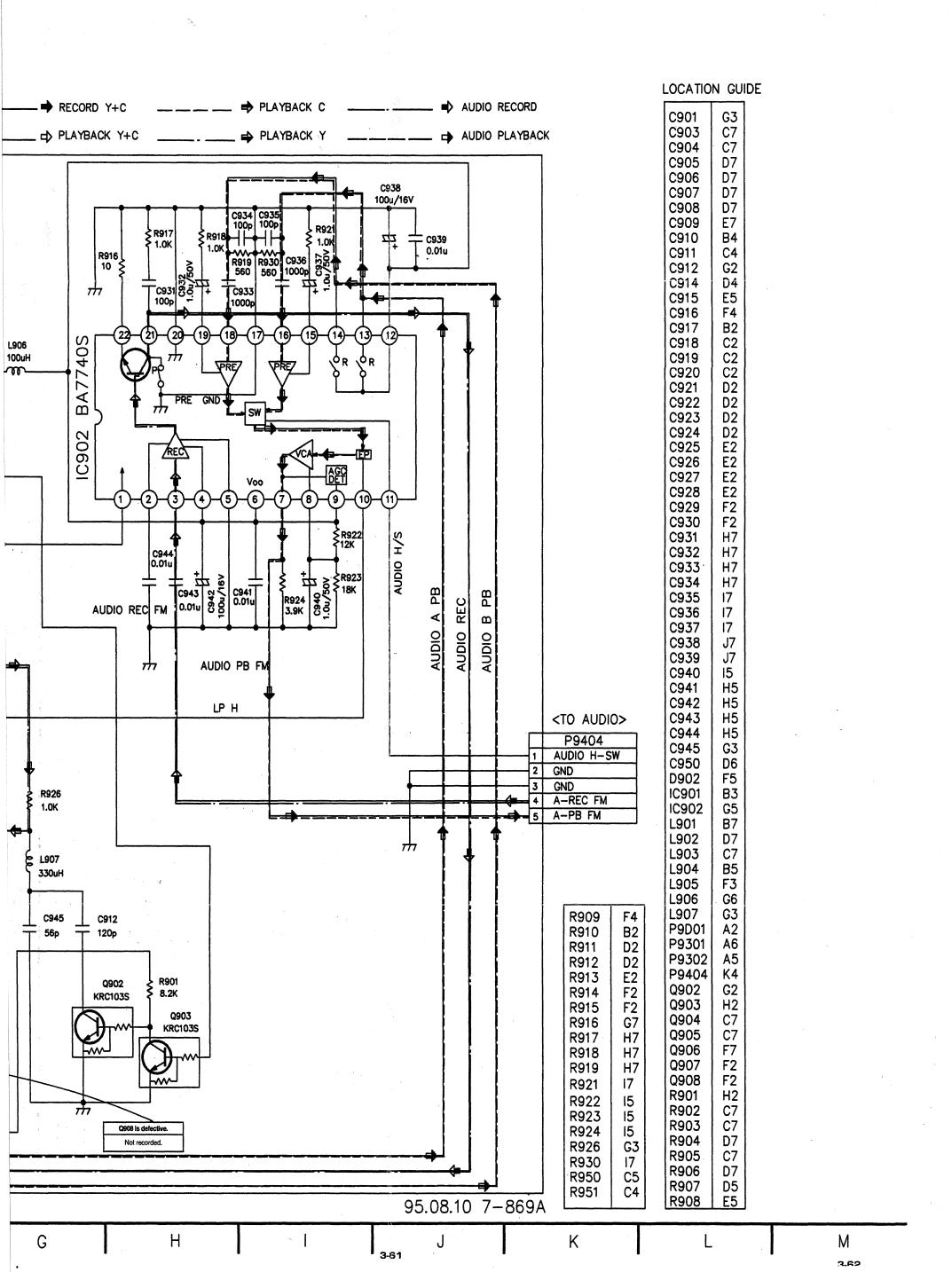
E

F

3-60

Α

B



* VHS Pre-Amp IC Voltage Sheet

SP mo	ode												PB	(REC)
5.0	2.0	4.7	0.3	1.3	2.2	0.1	0	0	2.8	2.3	2.5	4.1	0	2.7
(5.0)	(3.8)	(4.8)	(0.3)	(0.3) (1.3) (2.2) (0.1) (4.4) (0) (3.1) (0.1) (0) (4.1) (2.2) (2.7)								(2.7)		
30					25					20				
					IC	901	(H/	411	801	9)				
[1				- 5					10					15
2.3	0	0.7	0	0.7	0	2.3	4.2	0	0	0	0	0	4.2	5.0
(4.3)	(2.2)	(2.2)	(0)	(2.2)	(2.2)	(4.3)	(4.3)	(0)	(0)	(0)	(0)	(0)	(4.2)	(4.8)

LP mo	de												РВ	(REC)
5.0	2.0	4.7	0.3	1.3	2.2	4.9	3.1	0	2.8	2.2	2.5	4,1	0	2.7
(5.0)	(3.8)	(4.8)	(0.3)	(1.3)	(2.2)	(4.9)	(4.4)	(0)	(3.1)	(0.1)	(0)	(4.0)	(2.2)	(2.7)
30					25					20				
					IC	901	(H <i>i</i>	411	801	9)				
[1]				5					10					15
4.2	0	0	0	0	0	4.2	2.3	0	0.7	0	0.7	0	2.3	5
(4.2)	(0)	(0)	(0)	(0)	(0)	(4.2)	(4.2)	(2.1)	(2.1)	(2.1)	(2.1)	(2.1)	(4.2)	(4.8)

SP mo	ode								РВ	(REC)
0	0	0	0.74	0.65	0	0.65	0.74	0	0	5.05
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4.27)	(4.27)	(4.98)
		20					15			
)			IC9	02 (BA	779	0S)			
1				5					10	
0.33	0.49	5.05	5.05	0.02	5.06	2.39	3.02	5.06	0	2.53
(6.0)	(1.37)	(2.77)	(4.98)	(0)	(4.98)	(3.60)	(2.97)	(4.98)	(0.02)	(0.01)

LP mo	ode								RE	C (PB)
0	0	0	0.74	0.65	0	0.65	0.74	0	4.67	5.05
(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4.27)	(4.27)	(4.98)
		20					15			
)			IC9	02 (BA	779	0S)			
[1				5					10	
0.33	0.50	2.82	5.05	0	5.05	2.70	5.05	5.05	5.11	2.53
(6.0)	(1.37)	(2.77)	(4.98)	(0)	(4.98)	(3.6)	(2.97)	(4.98)	(0.02)	(0.01)

*8mm System IC Voltage Sheet

		-
IC501	(CXP80724'S)	į

PR	mode

Pin No.	1 .	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Voltage	2.5	0.0	0.0	0.0	0.0	0.0	1.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	5.3	5.3	5.2	0.0	5.2	0.0
Pin No.	26	27	28	29	30	31	- 32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Voltage	0.0	4.6	5.2	0.0	5.2	0.0	0.0	0.0	0.0	1.2	0.0	5.0	0.0	0.0	5.3	0.0	2.6	2.3	0.0	5.2	0.0	5.1	0.0	5.2	5.2
Pin No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Voltage	0.0	0.0	5.2	5.1	0.0	1.4	0.0	0.0	4.8	4.7	2.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	6.6	2.5	0.0	5.1	1.0	0.0	1.0
Pin No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Voltage	1.0	2.6	5.2	5.2	4.9	5.2	5.3	0.0	0.0	5.7	0.0	5.2	0.0	5.3	5.3	5.3	0.0	5.3	0.0	0.0	5.2	0.0	5.2	2.3	2.6

IC502 (PST523D) 1 5.3 0.0 5.3

0.0	0.0	0.0	4.6	0.0	0.0	0.0
5	IC5	:03	(LB	10 183	6M)	
				5		
4.7	0.0	0.0	4.8	0.0	0.0	0.0

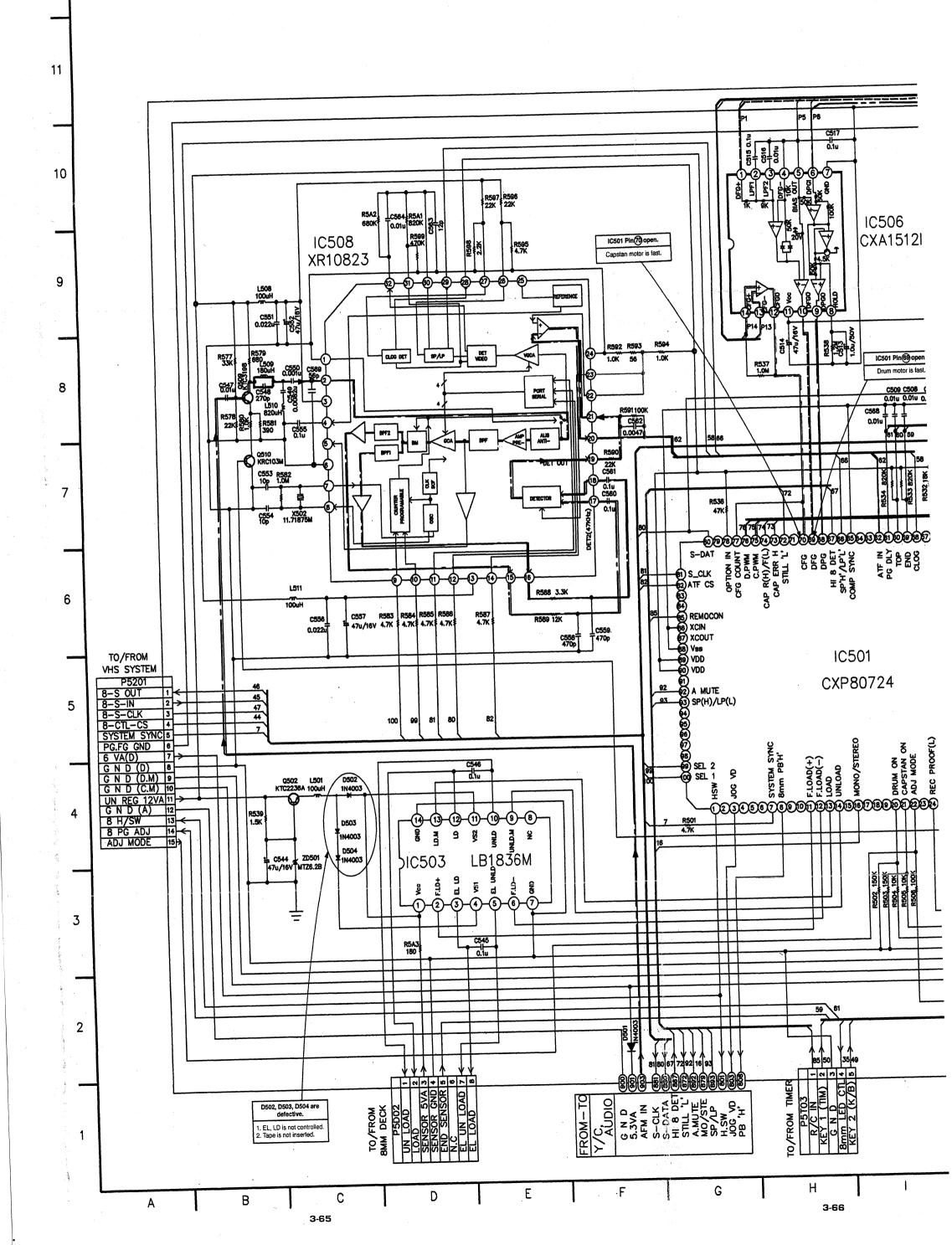
	0.0	0.0	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.9	0.0	0.0	1.3	0.0	0.0
	30				IC	25 50 4	(C	XA1	127	'M)	20				
ı	ノ 1				5		. (0.			10					15
	0.0	0.0	0.0	1.0	1.0	1.0	0.0	1.7	0.0	6.0	6.0	1.5	0.0	0.0	0.0

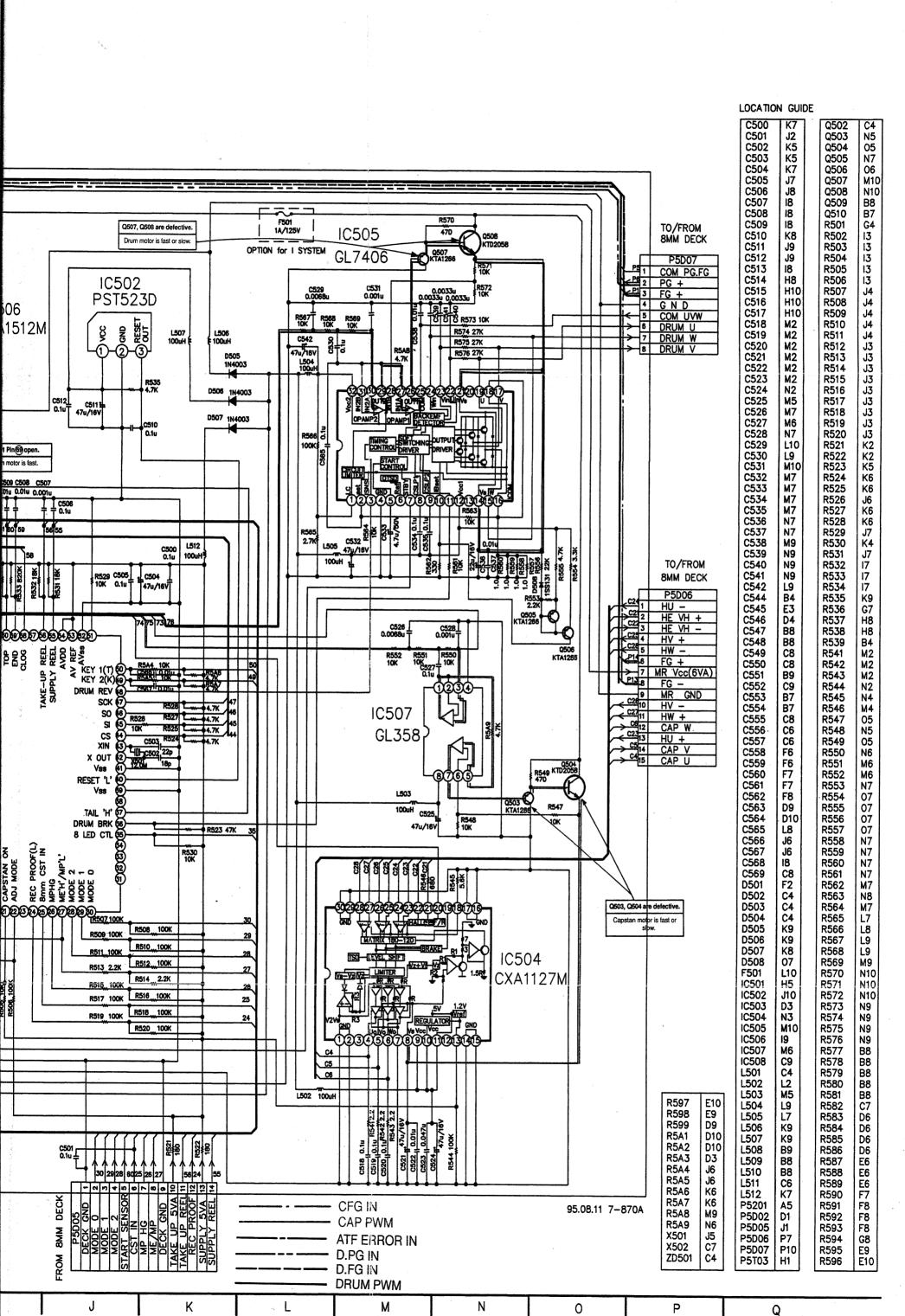
6.0	0.8	0.8	0.8	0.8	8.0	1.6	0.9	1.0	1.0	1.0	1.8	0.0	0.0	0.0	0.0
		30					25					20			
	IC505 (GL7416)														
1				5					10					15	
0.0	0.0	0.0	0.0	0.0	1.0	3.5	5.8	5.8	0.0	0.0	6.0	0.0	1.8	0.0	0.0

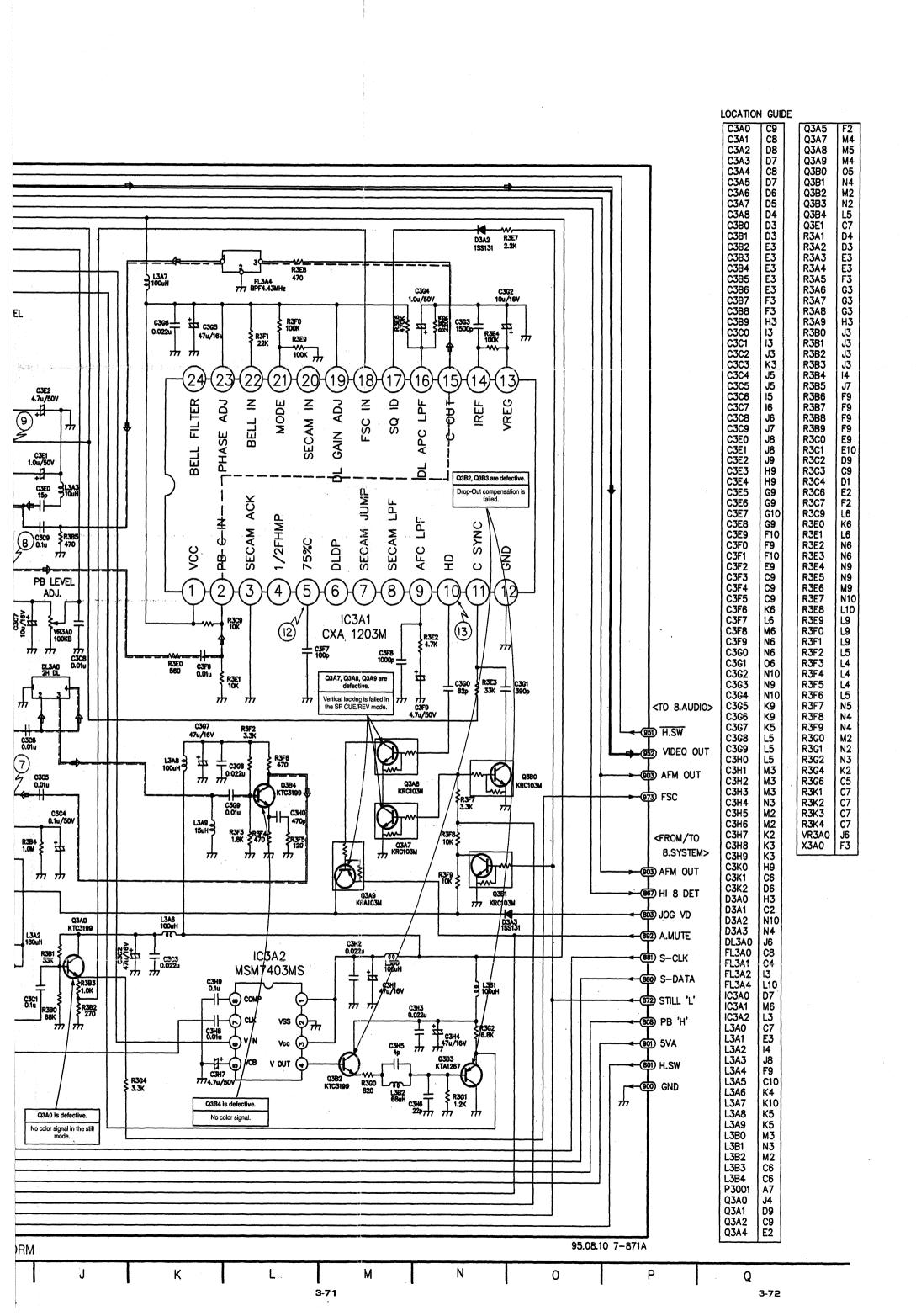
2.6	2.6	2.5	5.3	2.5	0.0	1.9
5	IC5(ne ((CY A	10 \ 15 1	12M	`
ノ' 1		ין טכ	<u> </u>	5	1 Z 1VI	,
0.0	2.0	1.3	1.9	1.9	1.9	0.0

IC508 (XR10823)

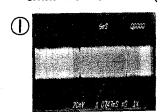
Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Voltage	0.0	2.5	5.2	0.0	2.6	0.0	1.5	2.2	2.5	0.0	0.0	0.0	0.0	0.0	2.6	2.6
Pin No.	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17
Voltage	3.4	0.8	2.0	0.0	0.0	0.6	0.9	2.6	0.0	2.6	2.6	2.6	2.6	0.0	2.5	2.5







* 8mm Y/C Waveform (When taking a photograph of waveform, set probe of oscilloscope to 10:1)



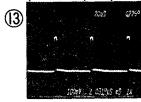
IC3A0 Pin® PB RF (20mV/5msec)



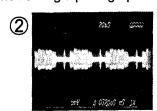
IC3A0 Pin
Serial DATA
(200mV/5msec)



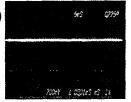
IC3A0 Pin @ C-SYNC (200mV/20µ sec)



IC3A1 Pin
HD Port
(100mV/20µsec)



IC3A0 Pin ® PB COLOR (5mV/20µsec)



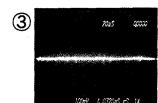
IC3A0 Pin
Serial CLOCK
(200mV/5msec)



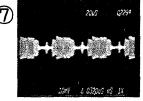
IC3A0 Pin (TP3A1) VIDEO OUT (50mV/20µsec)



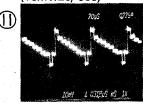
P3001 Pin (9)
H.SW (500mV/5msec)



IC3A0 Pin ® (TP3A2) PB Color VCO (100mV/20µsec)



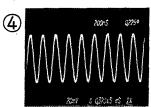
IC3A0 Pin
PB COLOR
(10mV/20µsec)



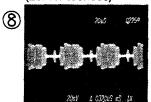
IC3A0 Pin

Y-CCD IN

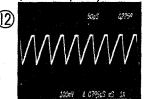
(10mV/20µsec)



IC3A0 Pin
PB Fsc
(20mV/200nsec)



IC3A0 Pin
PB Color
(20mV/20µsec)



IC3A1 Pin⑤ 75%C Port (100mV/50µsec)

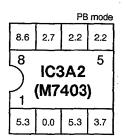
* 8mm Y/C TR Voltage Sheet

Port	Casittan	Callantan	Dane	14-4-
TR No.	Emitter	Collector	Base	Mode
Q3A0	2.9	5.3	3.5	
Q3A1	0.0	0.0	4.3	Hi-8 PB
QSAT	0.0	4.4	0.0	Normal PB
Q3A2	0.0	0.0	0.0	Hi-8 PB
Q3A2	0.0	0.0	4.4	Normal PB
Q3A4	5.3	5.2	4.6	PB
Q3A5	0.0	0.0	5.3	PB
	0.0	0.0	0.0	PB
Q3A7	0.0	2.9	0.4	Still
	0.0	2.4	0.9	Cue/Rev
	0.0	0.4	0.0	PB
Q3A8	2.9	4.3	0.1	Still
	2.4	5.2	0.3	Cue/Rev
	0.0	0.9	0.4	PB
Q3A9	4.3	0.9	4.3	Still
	5.3	1.0	5.2	Cue/Rev
	0.0	0.2	0.0	PB
Q3B0	0.0	0.2	0.4	Still
	0.0	0.2	0.9	Cue/Rev
	0.0	0.0	5.3	PB
Q3B1	0.0	0.7	0.2	Still
	0.0	0.0	5.3	Cue/Rev
Q3B2	3.0	5.2	3.6	PB
Q3B3	2.4	0.0	1.8	PB
Q3B4	1.2	4.0	1.8	PB

* 8mm Y/C IC Voltage Sheet

\bigwedge																	mode
	0.0	2.0	1.2	3.3	1.2	2.6	2.1	5.1	2.1	3.1	2.4	3.2	1.5	2.2	1.3	3.1	
2.5	1				60					55					50		1.4
5.0			-8 : 0.0 -8 : 4.3				í									i	0.4
0.5															-	į	2.9
0.7																45	2.2
2.0 5	5																2.9
0.6																	2.2
0.0							l V										3.0
3.0							/LJ		3A(2.1
4.2							(П	Αī	10	72)					40	2.3
2.3 1	0																2.2
5.1																	1.8
0.0					•											İ	1.9
0.0																	3.0
2.3																35	2.9
2.2 1	5																2.1
5.1				20					25					30			8.0
2	2.5	2.5	2.5	2.5	3.0	2.2	2.8	0.0	5.1	5.4	1.3	2.2	0.0	3.0	1.1	2.1	

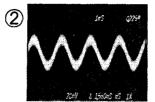
										PB	mode
1.5	5.2	4.7	2.7	0.1	5.2	0.7	4.8	1.9	2.2	2.2	4.3
24	·····			20			<u>.</u>		15		
)			IC	3A1	(C)	XA1	203	M)			
1				5					10		
5.2	2.5	0.1	0.0	2.7	0.0	2.1	2.6	2.1	1.0	0.6	0.0



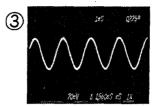
* 8mm AUDIO Waveform (When taking a photograph of waveform, set probe of oscilloscope to 10:1)



Q4A0 Base AFM IN (20mV/5msec)



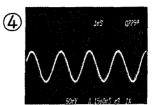
IC4A0 Pin ①
Mod/Dem DET (L)
(20mV/1msec)



IC4A0 Pin

MAT IN (L)

(20mV/1msec)



P4V02 Pin⑤ AUDIO (L) OUT (50mV/1msec)

* 8mm Audio TR Voltage Sheet

PB	mode

Port TR No.	Emitter	Collector	Base
Q4A0	1.2	3.2	1.8
Q4A1	2.6	5.2	3.2
Q4A2	0.0	0.0	0.0
Q4A3	0.0	0.0	0.0
Q4A4	0.0	5.2	0.0
Q4A5	5.3	0.0	5.2
Q4A6	0.0	2.6	2.6

* 8mm Audio IC Voltage Sheet

PB mode

							-90													PB	node
	1.5	1.9	8.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	3.1	2.3	2.2	0.0	0.0	2.3	2.3	2.3	2.3	2.3	
2.3	60					55					50					45				40	2.3
5.3																					2.4
2.1																					5.3
1.8																					2.8
4.7	65																				2.3
0.0	66 F	IN MC	ONO :	4.7V																35	2.3
2.8																					2.3
0.0																					5.3
5.2										~4	. ^										5.3
5.5	70									C4/ 118		F									2.9
2.8																				30	0.4
2.8																				ļ	0.0
0.0																					0.0
3.6																					2.3
0.8	75																				2.3
1.7																				25	2.3
0.0													,								2.8
5.3																					0.0
2.1																					2.3
3.7	1	_			5					10					15					20	2.3
	2.3	1.5	1.8	0.7	0.0	2.3	2.3	2.3	2.3	2.3	2.3	3.0	2.3	0.2	0.2	2.3	2.3	2.3	2.3	2.3	

* 8mm Pre-Amp TR Voltage Sheet

Port TR No.	Emitter	Collector	Base	Mode
Q001	2.4	5.1	3.1	
Q002	1.7	5.1	2.4	
Q003	0.0	0.0	4.9	PB
4005	0.0	3.6	0.1	Cue/Rev
Q005	0.0	0.0	5.1	PB
Q005	0.0	4.4	0.2	Still
Q006	3.4	1.8	2.7	
Q007	2.7	5.2	3.3	
Q008	2.0	5.1	2.7	
0000	1.2	5.2	1.8	Normal PB
Q009	3.3	5.1	1.8	Hi-8 PB
Q010	1.1	5.1	1.8	
Q011	3.3	5.1	4.0	
Q012	4.0	1.1	3.3	
Q013	0.0	0.0	1.2	Normal PB
4010	3.3	5.1	4.0	Hi-8 PB
Q014	5.2	0.0	5.2	Normal PB
Q014	5.2	5.1	4.4	Hi-8 PB
Q015	0.0	5.2	0.0	Normal PB
G(U)5	0.0	0.1	4.2	Hi-8 PB

* 8mm Pre-Amp IC Voltage Sheet

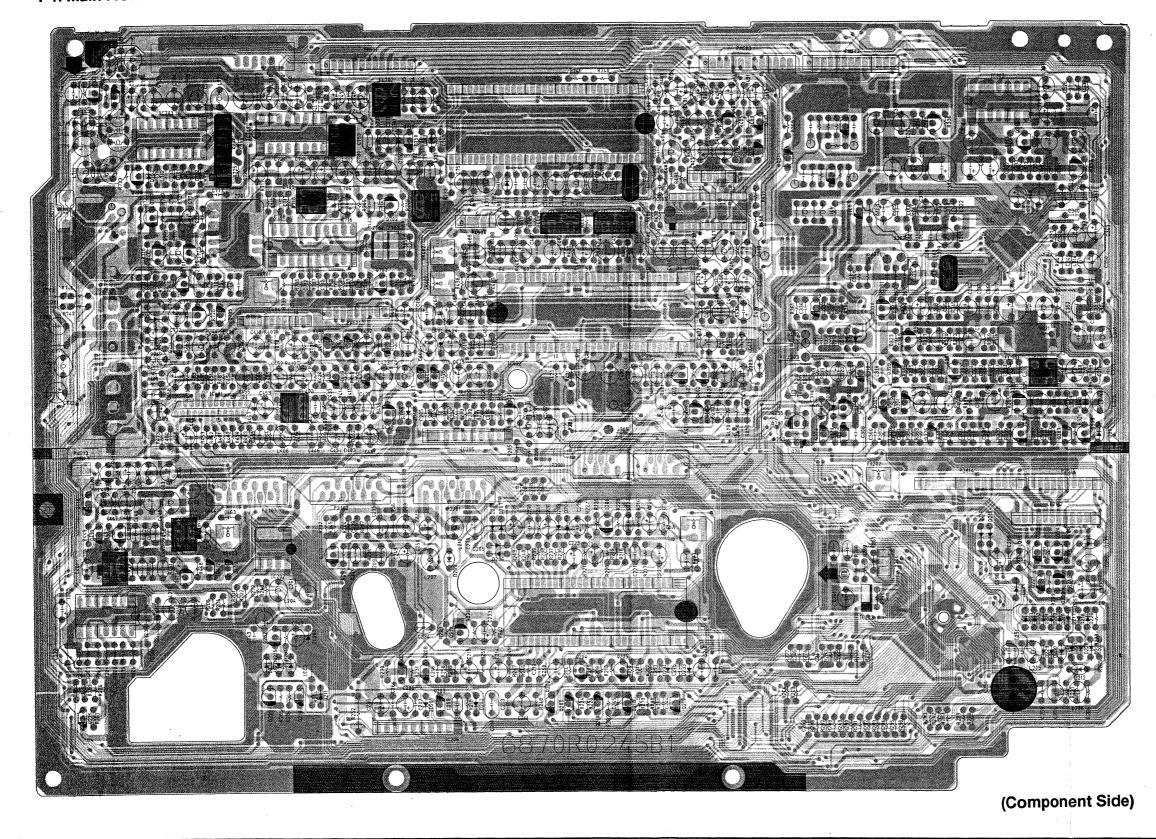
0.1	0.1	0.3	1.8	1.5	3.7	0.0	3.1	3.9	0.2	2.3	2.6	5.1	5.1	5.2
30					25	10	004			20				
IC001 (HA118191NT)														
)					(H				r)					
) [<u>1</u>				5	(H)) 10					15

PRINTED CIRCUIT BOARD DIAGRAMS

- 1. VHS Printed Circuit Board
- 1-1. Main P.C.Board

2

Α



D

3-83

3-84

C

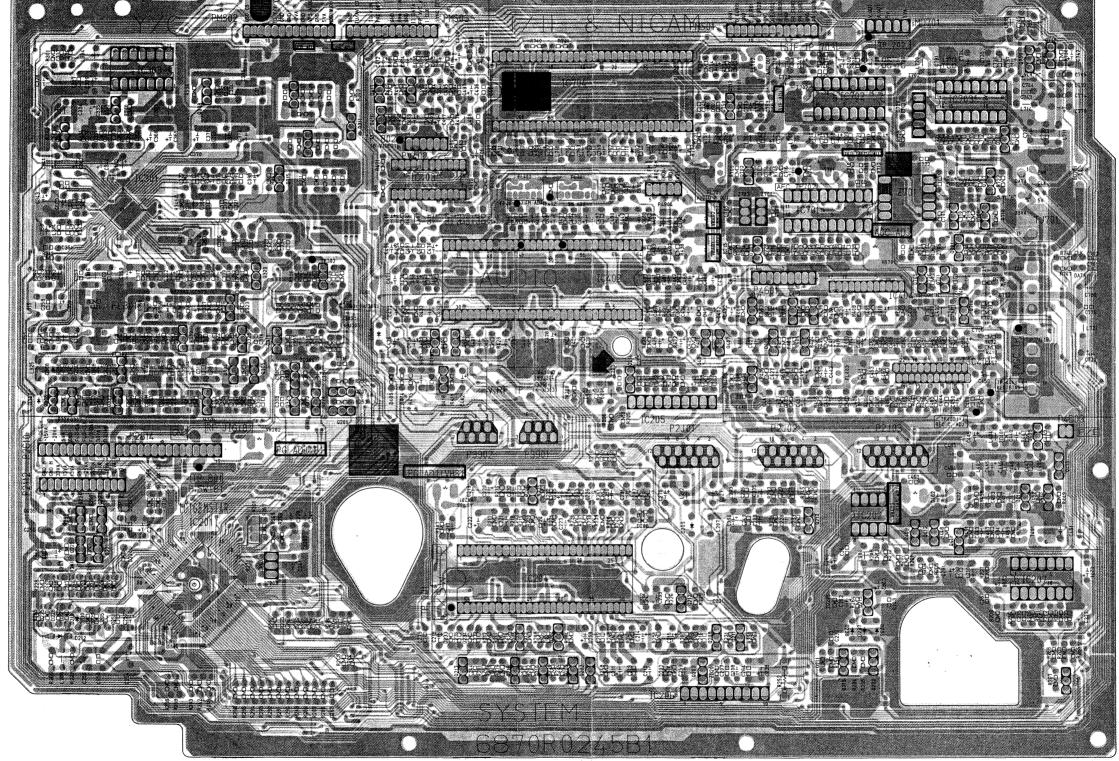
H

F

G

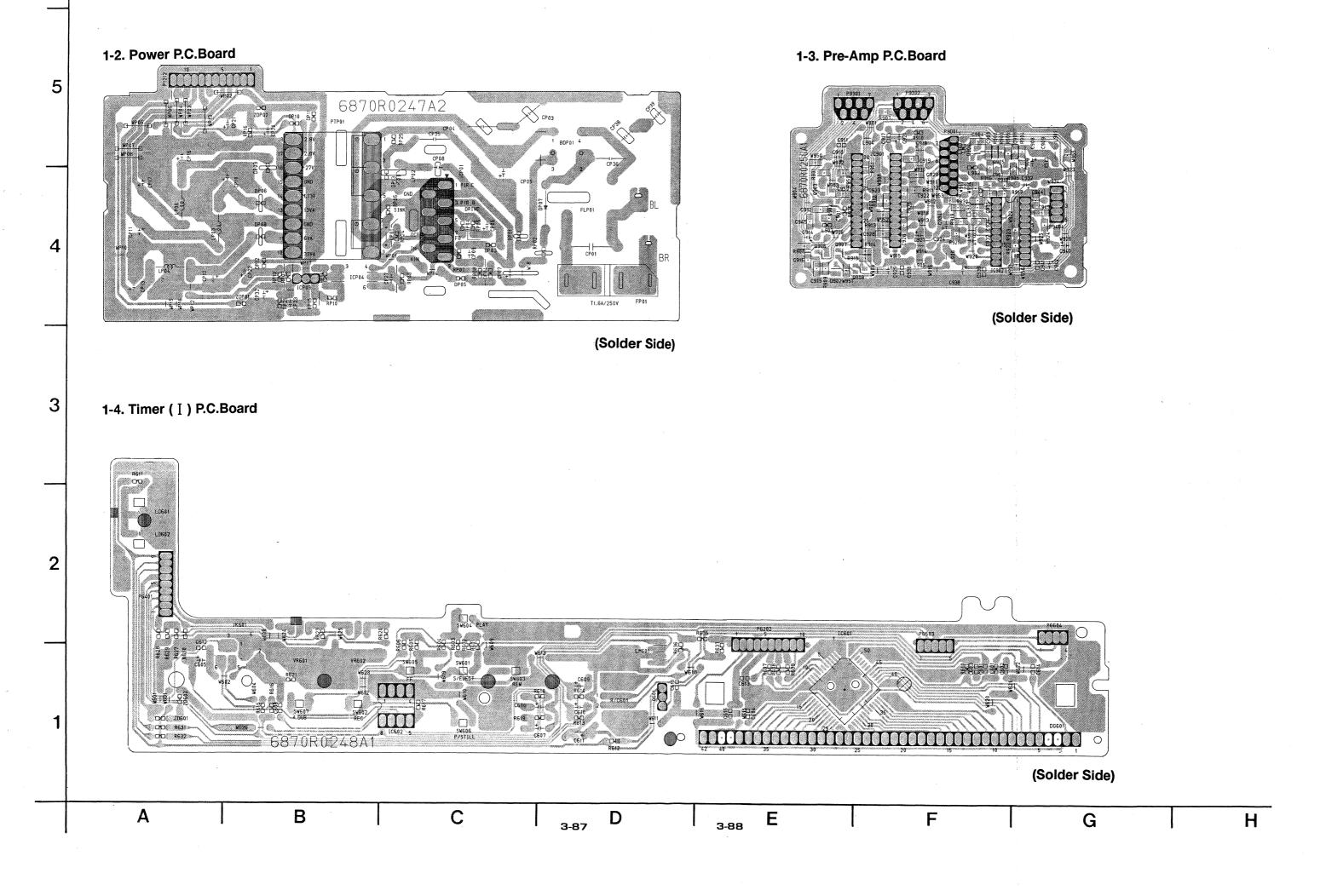
NOTE)
: MEASUREMENT POINT
: ADJUSTMENT POINT
Emitter: TRANSISTOR
Collector
Base

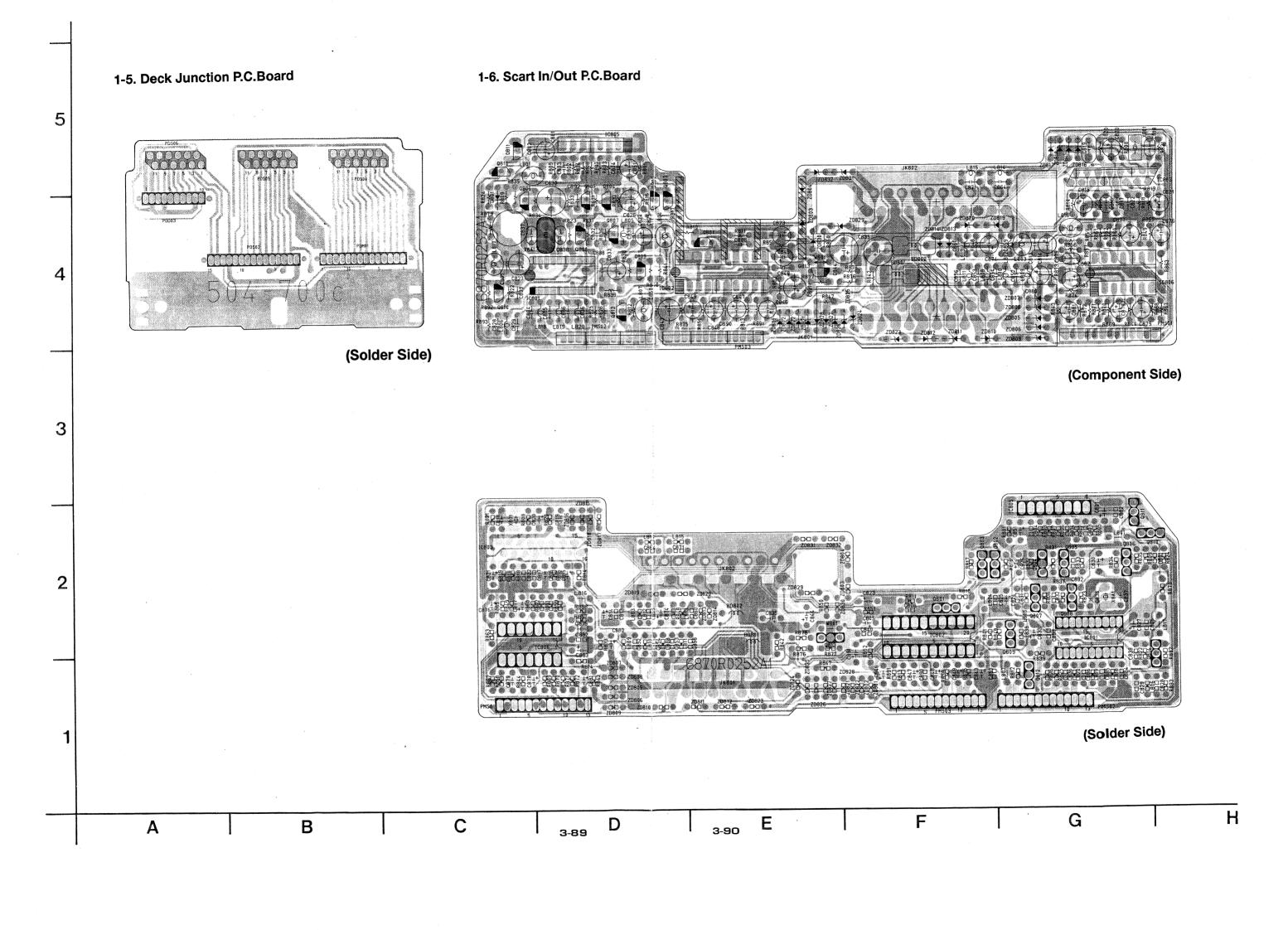
Main P.C.Board



(Solder Side)

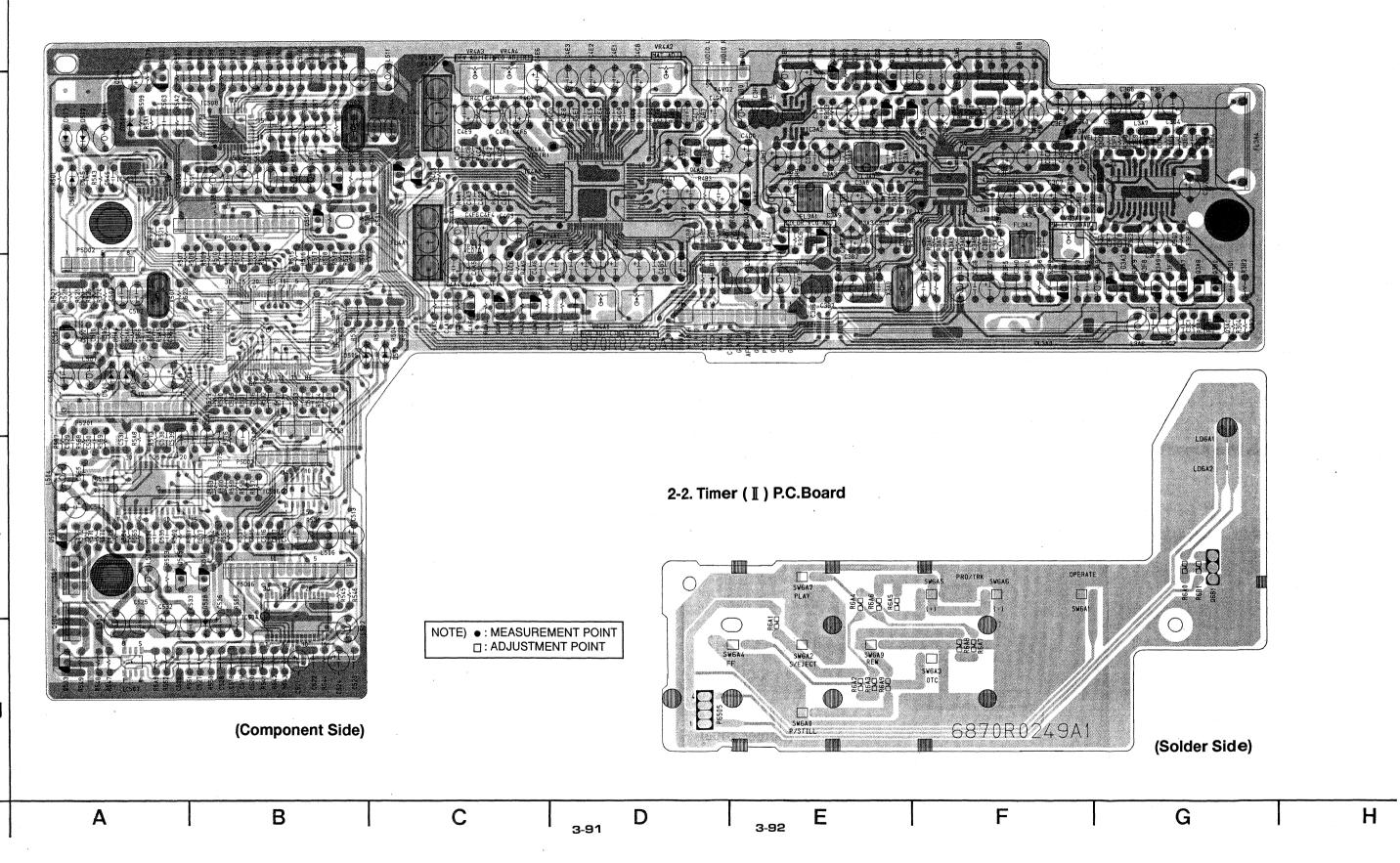
H G В C Ε F Α D 3-85 3-86

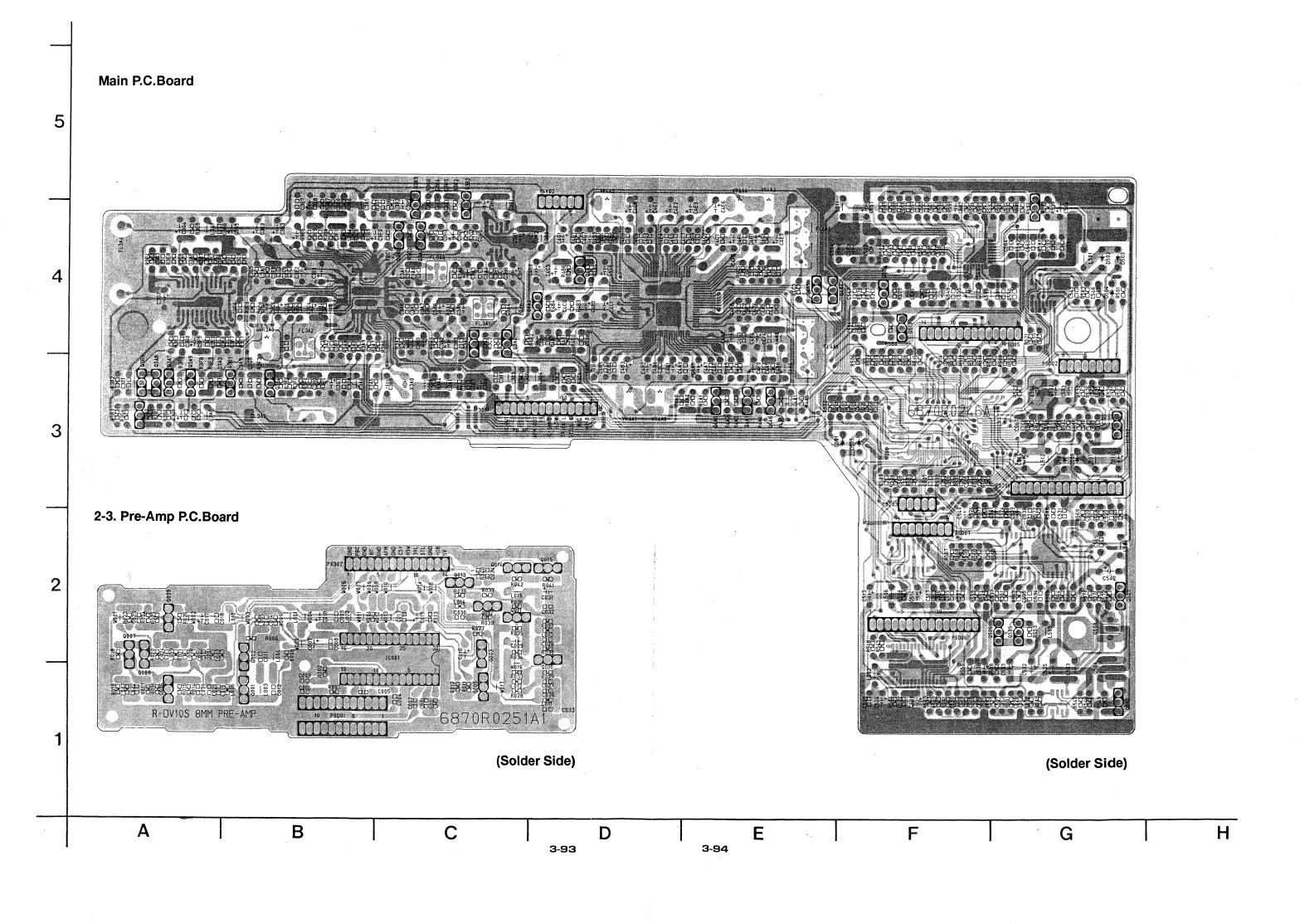




2. 8mm Printed Circuit Board

2-1. Main P.C.Board





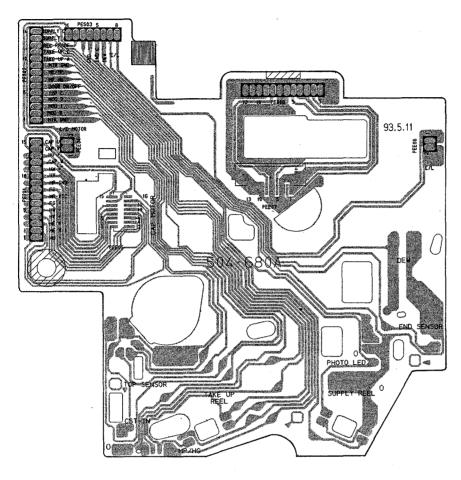
5

4

3

2

1



(Solder Side)

A

В

C

3-95

D

MEMO

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SECTION 4 MECHANISM

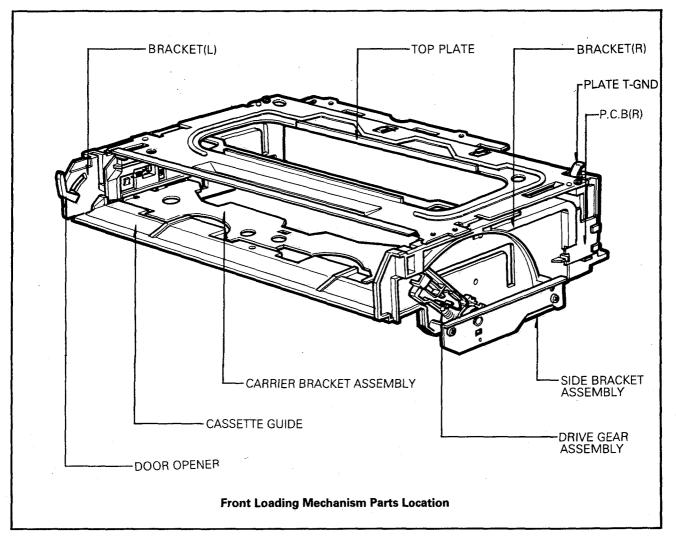
CONTENTS

SECTION 4-1 VHS DECK MECHANISM

SECTION 4-2 8mm DECK MECHANISM

SECTION 4-1. VHS DECK MECHANISM FRONT LOADING MECHANISM DISASSEMBLY

• Front Loading Mechanism Parts Location



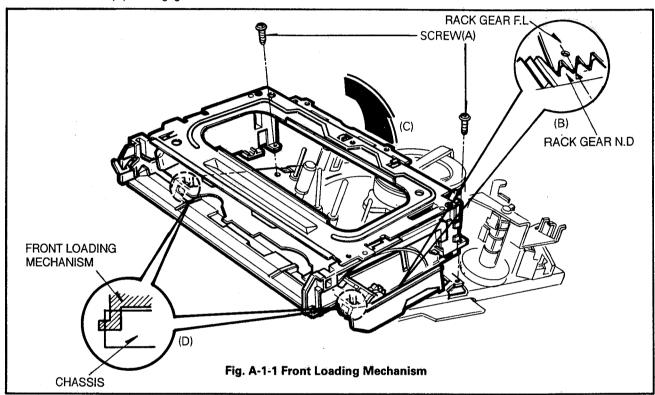
- Component list below will be discribed as if the top and bottom covers and the front panel have already been removed.
- 2. P.C.B Assembly
- 3. Top Plate
- 4. Carrier Bracket Assembly

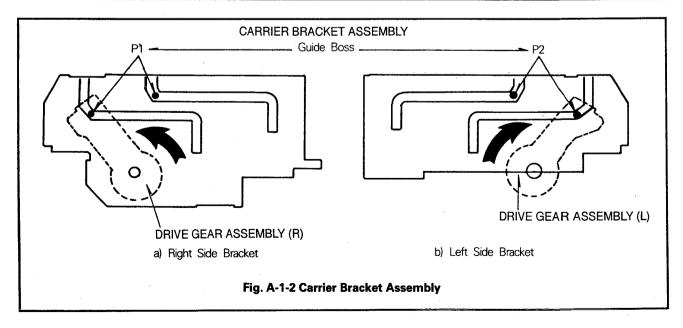
- 5. Cassette Guide
- 6. Side Bracket Assembly
- 7. Bracket(L), (R)
- 8. Door Opener
- 9. Drive Gear Assembly

1. Front Loading Mechanism Assembly (Fig. A-1-1)

- 1) Remove the Top and Bottom Covers and the Front panel.
- 2) Unplug the connector.
- 3) Remove two screws(A).
- Lift up the Front Loading Mechanism in the direction of arrow(C).

- 1) When disassembling and reassembling
- ① Give special attention to removal and to reassemble, because two tabs(D) are engaged.
- ② Make sure that Bosses of Bracket(L),(R) are properly engaged in the holes of the chassis.
- ③ To reassemble Front Loading Mechanism, the Drive Gear Assembly should be turned in a counterclockwise as shown in Fig. A-1-2 so that the Rack Gear N.D of Front Loading Mechanism Assembly is meshed into Rack Gear F.L of Deck Mechanism Assembly correctly as shown in Fig. A-1-1.(B).





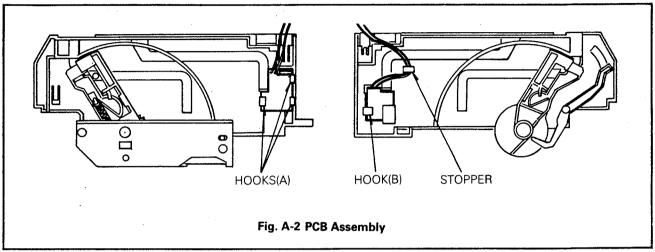
2. PCB(Printed Circuit Board) Assembly

2-1. P.C.B Assembly(R)(Fig. A-2)

- 1) Remove the PCB Assembly(R) by pushing three Hooks (A) outward.
- 2) Release the Lead wire from stoppers.

2-2. PCB Assembly(L).(Fig. A-2)

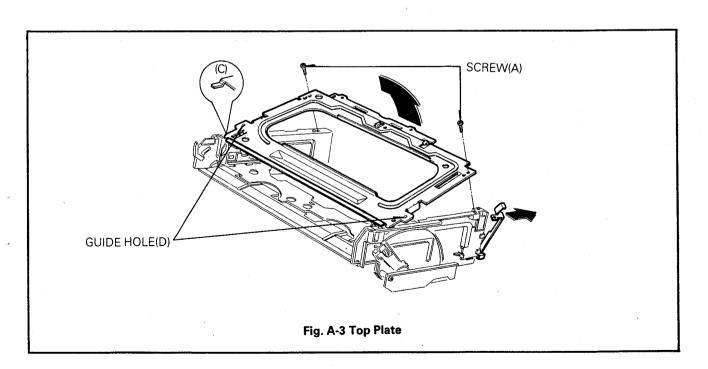
- 1) Remove the PCB Assembly(L) by pushing the Hook(B) outward.
- 2) Release the Lead Wire from stoppers.



3. Top Plate(Fig. A-3)

- 1) Remove two screws(A).
- 2) Push the upper part of Top plate Ground and then lift up the Top Plate in the direction of arrow(B).

- 1) When reassembling, be certain that the tabs(C) of Top Plate is in both Bracket(L),(R).
- ① Then align the guide holes(D) of Top Plate with Bosses of side Bracket(L),(R).



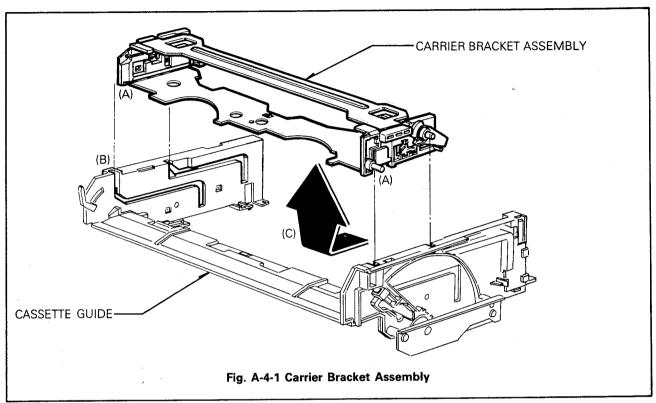
4. Carrier Bracket Assembly

4-1. Carrier Bracket Assembly(Fig. A-4-1)

1) Remove the Carrier Bracket Assembly by moving it in the direction of arrow(C).

* NOTE

1) When reassembling, be sure that parts(A) of Carrier Bracket Assembly are seated in parts(B) of Bracket(L),(R).



4-2. Cassette Opener(Fig. A-4-2)

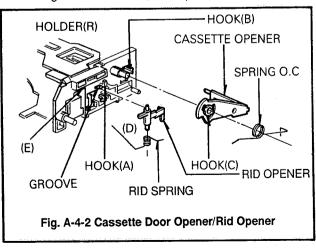
- 1) Release the spring O.C from the Hook(A) and then release it from Hook(C) of cassette opener.
- 2) Remove the cassette opener by releasing the Hook(B) from the Holder(R).

4-3. Rid Opener(Fig. A-4-2)

1) Remove the rid opener by pushing it outward.

* NOTE

 When reassembling, seat the upper part of the rid opener in the grooved of Holder(R) and push it inward.

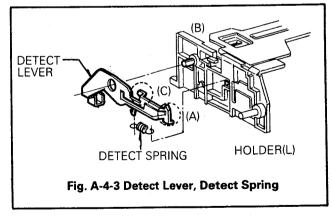


4-4. Detect Lever and Detect Spring

- 1) Remove the spring detect.
- 2) Lower the side(A) of Detect Lever and then remove the Detect Lever by pushing it outward.

* NOTE

1) When reassembling, make sure that the part(C) of Detect Lever set in the part(B) of Holder(R).

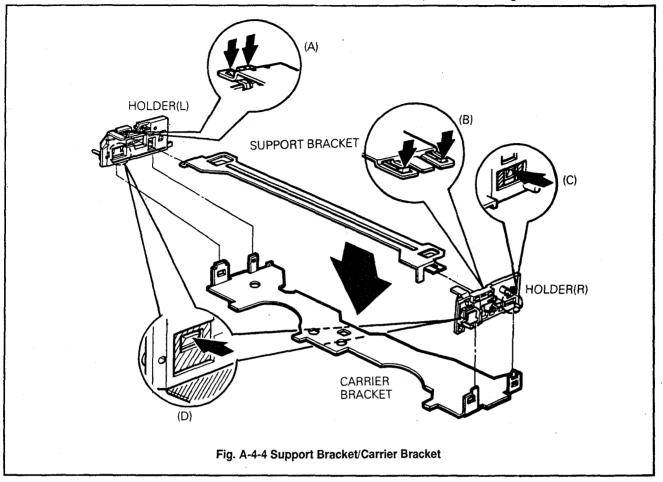


4-5. Support Bracket Assembly(Fig. A-4-4)

1) Take the Support Bracket out by releasing hooks(A),(B).

* NOTE

1) When disassembling and reassembling, be careful because heavy force can damage the hooks.



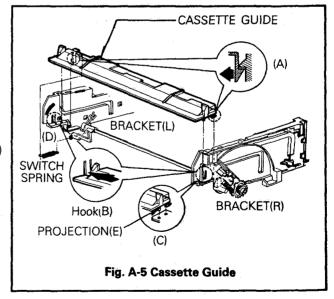
4-6. Carrier Bracket Assembly(Fig. A-4-4)

1) Remove the Carrier Bracket by releasing hooks(C),(D).

5. Cassette Guide(Fig. A-5)

- Remove the Switch Spring with the Front Loading Mechanism Assembly turned over.
- 2) Push two hooks(B) outward.
- 3) Remove the Cassette Guide by pushing two hooks(A). outward(if one is removed, the other will be easy to remove)

- 1) When reassembling
- ① Seat projections(E) of Cassette Guide in holes of Bracket Assembly(L),(R) and then engage the Hook(A).
- ② After finishing previous step, fix the Cassette Guide to the Bracket Assembly(L),(R) by pushing two hooks(B) inward.

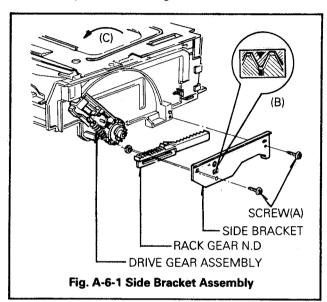


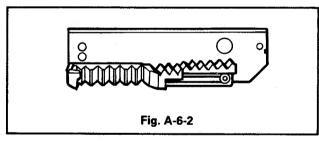
6. Bracket Assembly Side (Fig. A-6-1)

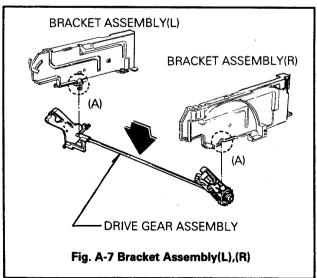
 Remove two screws(A) and then remove the Side Bracket Assembly and the Rack Gear N.D.

* NOTE

- 1) When reassembling
- Turn the Drive Gear Assembly in the direction of arrow(C)
- ② Reassemble the Rack Gear N.D. to the Side Bracket Assembly, as shown in Fig. A-6-2, and then reassemble







it to the Bracket Assembly(L), This time the Assembling Figure should be the same as(B) at the rectangular hole of Bracket Side.

7. Bracket Assembly(L),(R)(Fig. A-7)

 Seperate the Bracket Assembly(L),(R) from the Gear Assembly Drive.

* NOTE

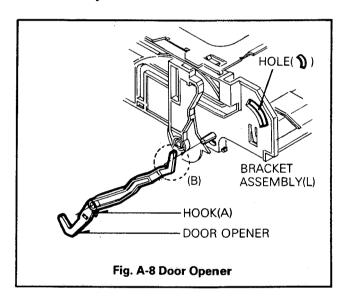
When reassembling, seat the shaft in the part(A) of Bracket Assembly(L),(R).

8. Door Opener(Fig. A-8)

1) Remove the Door Opener by pushing Hook(A) outward.

* NOTE

1) When reassembling, seat the part(B) of Door Opener in the hole() of Bracket(L).



9. Drive Gear Assembly

9-1. Drive Gear Assembly(Fig. A-9-1)

 Remove the Drive Gear Assembly from the Bracket Assembly(L),(R).

9-2. Cushion Spring(Fig. A-9-1)

1) Remove the cushion spring from the Gear R.

9-3. Cap-D(Fig. A-9-1)

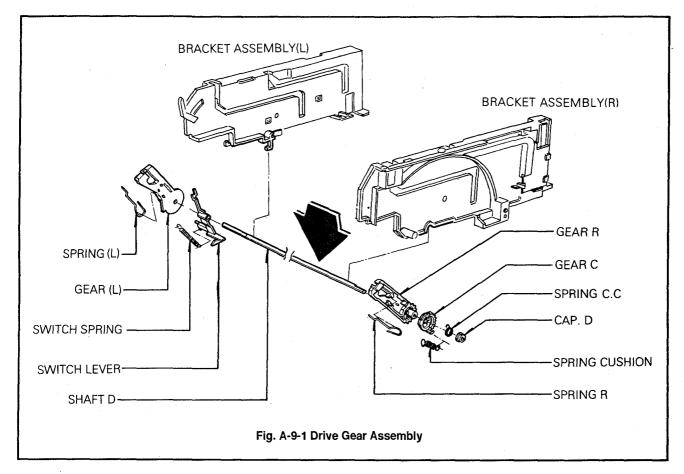
1) Remove the Cap-D by lifting it up.

9-4. Spring C.C(Fig. A-9-1)

1) Remove the Spring C.C from the Gear R.

9-5. Gear C(Fig. A-9-1)

 Remove the Gear C by lifting up when the projection of Gear C is aligned with the hole of Gear R while rotating the Gear C in the counterclockwise direction.



* NOTE

1) When reassembling, seat the projections of Gear R in the holes of Gear C when the projection of Gear R is aligned with the hole of Gear C, and then keep the Gear C turned in the clockwise direction.

9-6. Gear R(Fig. A-9-1)

1) Lift up the Gear R from the Shaft.

9-7. Spring R(Fig. A-9-2)

1) Remove the Spring R by releasing Hooks.

* NOTE

1) When reassembling, be certain Spring R in the part(A) of Gear R.

9-8. Gear L.(Fig. A-9-1)

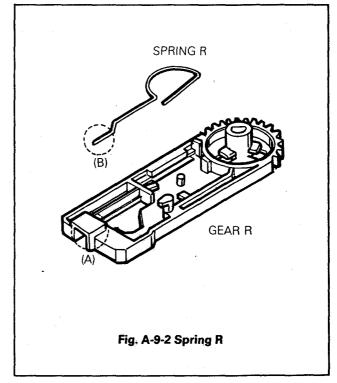
1) Remove the Gear L from the shaft.

9-9. Spring L (Fig. A-9-2)

- 1) Remove the Spring L by releasing Hooks from the Gear L.
- * NOTE: (Refer to the Spring R Section)

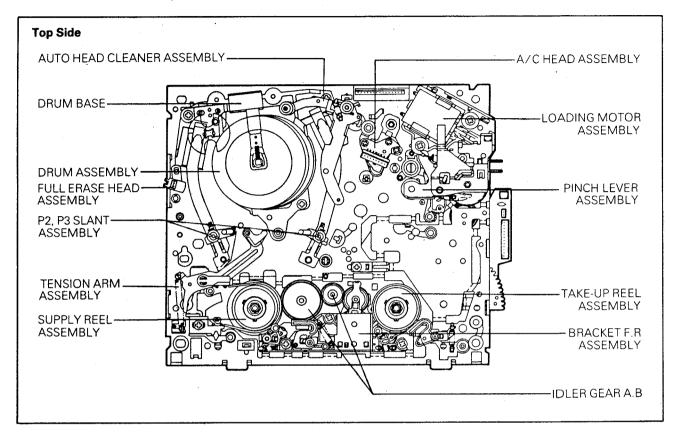
9-10. Switch Lever(Fig. A-9-1)

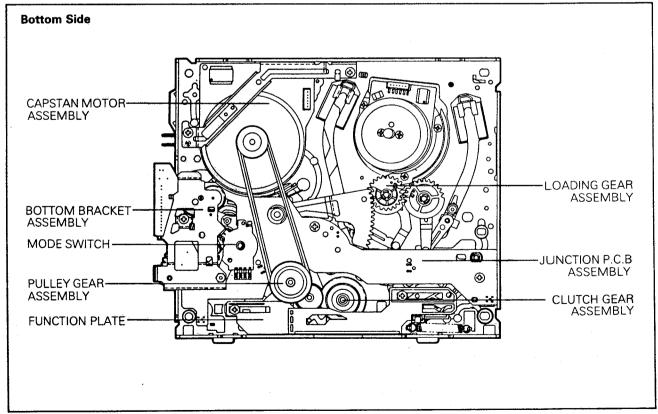
1) Remove the Switch Lever from the shaft.



DECK MECHANISM DISASSEMBLY

• Deck Mechanism Parts Location



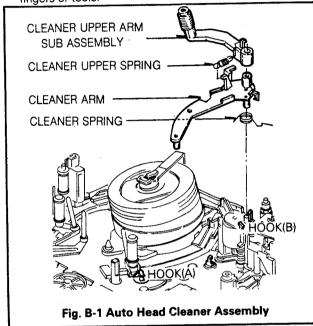


1. Auto Head Cleaner Assembly (Fig. B-1) (Optional Item)

- Remove the Cleaner Arm Assembly (Auto Head Cleaner Assembly) by pushing the Locking Tab.(B) outward.
- Remove the Cleaner Upper Spring and then remove the Cleaner Upper Arm Sub Assembly.
- 3) Remove the Cleaner Spring.

NOTE

 When reassembling, do not touch the Video Head Tip with fingers or tools.

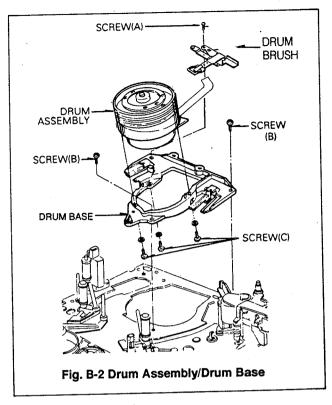


2. Drum Assembly and Drum Base(Fig. B-2)

- 1) Remove the Auto Head Cleaner Assembly. (Option)
- 2) Unplug the connector with the Deck Mechanism Assembly turned over.
- 3) Loosen the screw(A) and then lift up the Drum Brush.
- 4) Remove two screws(B) and then lift up the Drum Assembly and Drum Base from the Deck Mechanism Assembly.
- 5) Separate the Drum Assembly from the Drum Base by Loosening three screws(C) on the back of Drum Base.

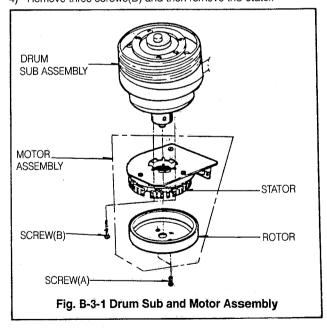
* NOTE

- 1) When disassembling and reassembling
- ① Do not touch the Video Head tip with fingers or tools. (Give special attention to disassembling and reassembling of Auto Head Cleaner Assembly)
- ② After reinstalling the Drum Brush, the Drum Brush should be aligned with the center of vertical axis of Drum Assembly.
- 3 After completing the reassembly, adjust the transportation system and the Servo P.G.



3. Drum Assembly

- 3-1. Drum Sub and Motor Assembly (Fig. B-3-1)
 - : New Type (No two screws and P.C.B on the Drum)
- 1) Remove the Drum Base from the Deck Mechanism Assembly.
- 2) Separate the Drum Assembly from the Drum Base.
- 3) Remove two screws(A) and then remove the rotor.
- 4) Remove three screws(B) and then remove the stator.



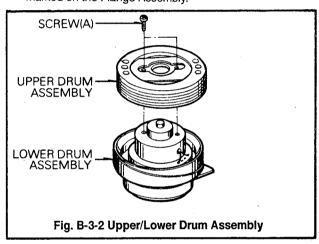
- 1) When disassembling and reassembling
- ① Do not touch the Video Head Tip with fingers or tools.

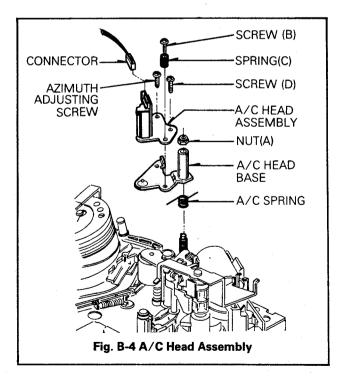
3-2. Upper and Lower Drum Assembly (Fig. B-3-2): Old Type (There are two screws and P.C.B on the Drum)

- Remove the Drum Assembly and Drum Base from the Deck Mechanism Assembly.
- 2) Separate the Drum Assembly from the Drum Base.
- 3) Remove two screws(A).
- 4) Remove the P.C.B.
- Separate the upper Drum Assembly from the Lower Drum Assembly.

* NOTE

- 1) When disassembling and reassembling
- ① Do not touch the Video Head Tip with fingers or tools.
- ② Make sure that the color(white) marked on the P.C.B of the upper Drum should coincide with the color(Green) marked on the Flange Assembly.





A/C(Audio/Control) Head Assembly (Fig.B-4)

- 1) Unplug the connector
- 2) Remove the Nut(A), and then lift up the A/C Head Assembly.
- 3) Remove the Azimuth Adjusting Screw.
- Remove two screws(B),(D) and then separate the A/C Head Assembly from the Base A/C Head Assembly.

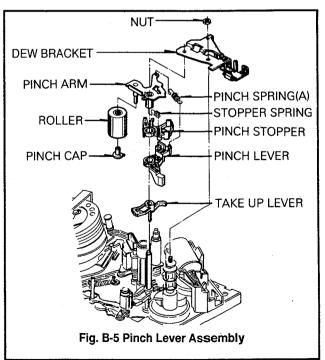
* NOTE

- 1) When disassembling
- (1) First of all, release the spring A/C.
- ② Do not touch the A/C Head Tip with fingers or tools.
- 3 After reinstalling the Audio Control Head Assembly, adjust the Tilt, Azimuth and Height of A/C Head.

5. Pinch Lever Assembly(Fig. B-5)

- 1) Remove one Nut, and then remove the Dew Bracket.
- 2) Lift up Pinch Lever Assembly.
- 3) Remove the Pinch Spring, and remove the Pinch Lever.
- 4) Remove the Stopper Spring and remove the Pinch Stopper by lifting it up when the Hook of Pinch Stopper is aligned with the hole of Pinch Arm while rotating the Pinch Stopper in the counterclockwise direction.
- Remove the Pinch Cap, and then remove the Pinch Roller Assembly.

- 1) When disassembling and reassembling
- 1 Be careful not to get any foreign substance on the Roller.
- When disassembling the Pinch Cap, be careful not to damage the Pinch Arm.

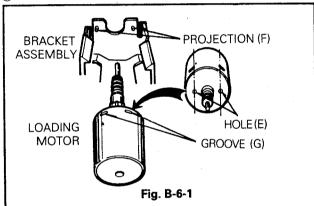


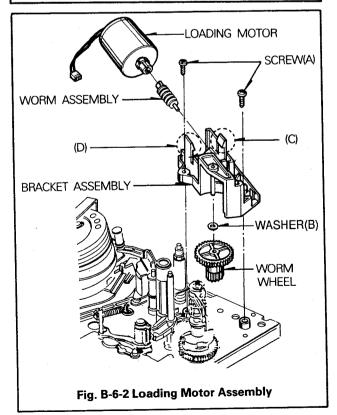
6. Loading Motor Assembly(Fig. B-6-1, B-6-2) 7. Take Up Lever(Fig. B-7)

- 1) Remove the Dew Bracket.
- 2) Unplug the connector from the Junction P.C.B Assembly
- 3) Remove two screws(A).
- 4) Remove the worm wheel by pushing it down.
- 5) Remove the Loading Motor Assembly by pushing(C) and (D) outward.
- 6) Remove the worm Gear Assembly from the Loading Motor Assembly by pushing it.

* NOTE

- 1) When reassembling
- (1) Make sure that the worm assembly is seated in the axis of Loading Motor.
- ② Two grooves(G) of Loading Motor should be turned up and two projections(F) of Bracket Assembly should be seated in each at the two holes(E)(Fig. B-6-1).
- (3) Take notice of the polarity of the Loading Motor.

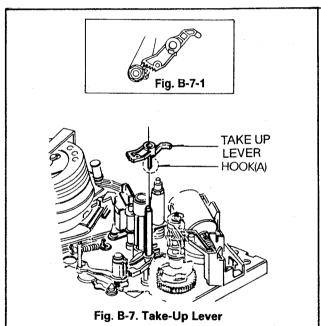




- 1) Remove the Loading Motor Assembly.
- 2) Remove the Dew Bracket(Fig. B-5).
- 3) Remove the Pinch Lever Assembly(Fig. B-5).
- Keep the Pinch Gear turned in the clockwise direction (180°).
- Remove the Take-Up Lever by pushing the hook(A) 5) cutward.

* NOTE

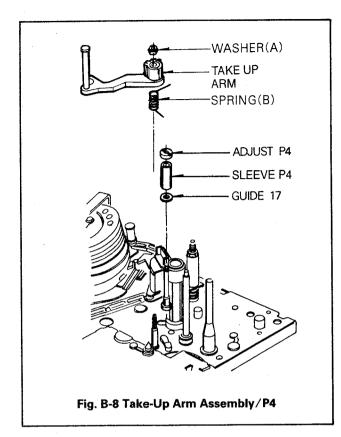
- 1) When disassembling and reassembling
- (1) When disassembling the Take-Up Lever, be careful not to break the Hook(A).
- (2) When reassemble the Take-Up Lever, align the appendant Gear of Lever Take-Up with the appendant Gear of Takeup Arm
- (3) Reassemble the Take-Up Lever completely by hooking
- Be sure to replace together Take-Up Lever and Pinch
- Be sure to assemble Pinch Lever Assembly before operating.



8. Take Up Arm Assembly(Fig. B-8)

- 1) Remove the Loading Motor Assembly.
- Remove the Dew Bracket, Pinch Gear, and the Take-Up Lever.
- Remove one Washer(A).
- Remove the Take-Up Arm Assembly by lifting it up.
- 5) Remove the spring(B).

- 1) When reassembling
- ① Align the Gear of Take-Up Arm with the Gear of Take-Up Lever(Fig. B-7-1).

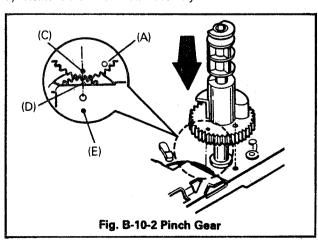


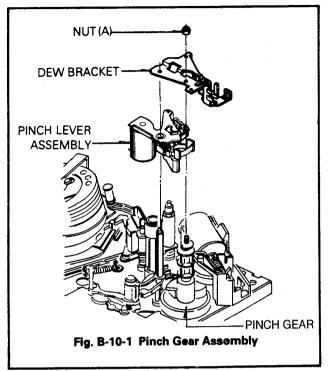
9. P4 Assembly(Fig. B-8)

- 1) Remove the Adjust P4.
- 2) Remove the Sleeve P4.
- 3) Remove the Guide 17.

10. Pinch Gear(Fig. B-10-1, B-10-2)

- 1) Remove the Loading Motor Assembly.
- Remove one Nut(A) and then remove the Dew Bracket (Fig. B-5).
- 3) Remove the Pinch Lever Assembly by lifting it up(Fig. B-5)
- 4) Keep the Pinch Gear turned in the clockwise direction (180°).
- 5) Remove the Take-Up Lever by pushing the hook(A) outward(Fig. B-7).
- 6) Keep the Pinch Gear turned in the counterclockwise direction (180°).
- 7) Remove the Pinch Gear Assembly.





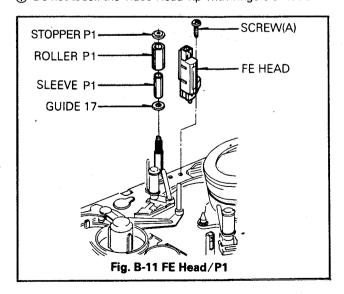
* NOTE

- 1) When reassembling, align the hole(A) of Pinch Gear with the hole of chassis, and the hole(C) of Pinch Gear with the groove(D) of the P.C.Gear. Hole(E) of chassis should be aligned with the hole of P.C.Gear.
- Be sure to replace together Take-Up Lever and Pinch Gear.
- Be sure to assemble Pinch Lever Assembly before operating.

11. FE(Full Erase) Head Assembly(Fig. B-11) (Optional Item)

- 1) Unplug the connector.
- 2) Remove one screw(A), and then remove the FE Head.

- 1) When disassembling and reassembling
- 1) Do not touch the Video Head Tip with fingers or tools.



12. P1 Assembly(Fig. B-11)

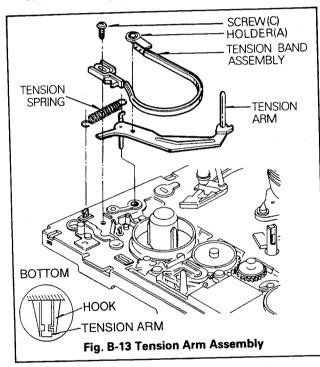
- 1) Remove the Stopper P1.
- 2) Remove the Roller P1.
- 3) Remove the Sleeve P1.
- 4) Remove the Guide 17.

13. Tension Arm Assembly(Fig. B-13)

- 1) Remove one screw(C).
- 2) Remove the Tension Spring.
- 3) Remove the Tension Arm Assembly by pushing hooks outward with the Deck Mechanism Assembly turned over
- 4) Remove the Tension Band Assembly from the Tension Arm by pushing Hooks of Holder(A).

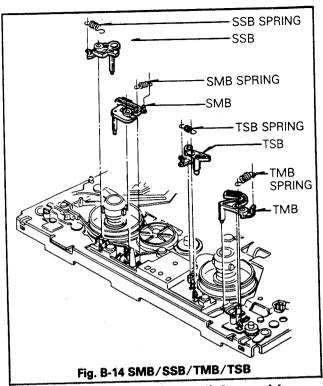
. NOTE

 When disasembling and reassembling, give special attention to the disassembling and reassembling of Tension Arm Assembly, because the Tension Band is interposed between the Supply Reel and the Soft Brake.



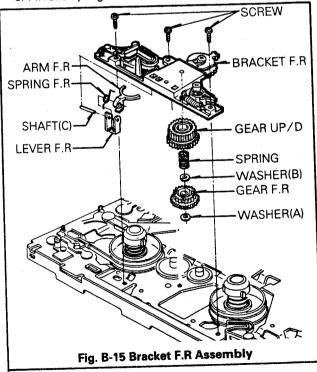
14. Supply Soft/Supply Main/Take-Up Soft/Take-Up Main Brake Assembly

- 1) Supply Soft Brake(SSB)
 - ① Remove the SSB Spring.
 - 2 Remove the SSB.
- 2) Supply Main Brake(SMB)
 - (1) Remove the SMB Spring.
 - ② Remove the SMB.
- 3) Take Up Soft Brake(TSB)
 - ① Remove the TSB Spring.
 - 2 Remove the TSB.
- 4) Take-Up Main Brake(TMB)
 - ① Remove the TMB Spring.
 - 2 Remove the TMB.



15. Bracket F/R(FF/Rewind) Assembly (Fig. B-15)

- 1) Remove the TMB.
- 2) Remove the Washer(A), and then remove the Gear F.R.
- Remove three screws, and then remove Bracket F/R Assembly from the Deck Mechanism Assembly.
- 4) Remove the Washer(B), and spring Up/D, and then remove the Gear Up/D.
- 5) Remove the shaft(C), and then remove the Arm F.R, Lever F.R and Spring F.R.



16. Supply Reel Assembly(Fig. B-16)

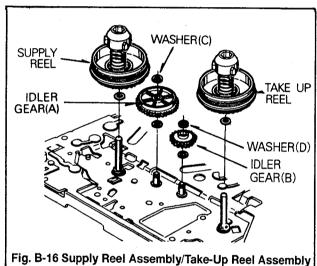
- 1) Remove the Tension Band Assembly.
- 2) Remove the Bracket F/R.
- Lift up the Supply Reel Assembly from the Deck Mechanism Assembly.

17. Take Up Reel Assembly(Fig. B-16)

- 1) Remove the TMB(Fig. B-14)
- 2) Lift up the Take-up Reel Assembly from the Deck Mechanism Assembly.

* NOTE

- 1) When reassembling
- ① Make sure that the Supply and Take Up Reel are not exchanged.
- ② After reinstalling the Supply Reel Assembly, Adjust the Tension.



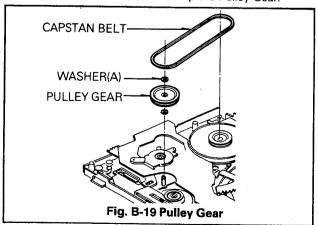
1.9.2 to dupply floor Addenibly, rake-op fleer Assemb

18. Idler Gear(A), (B)(Fig. B-16)

- After removing the Supply Reel and supply Main Brake Assembly, remove the washer(C) and then remove the Idler Gear(A).
- 2) Remove the Washer(D) and remove the Idler Gear(B).

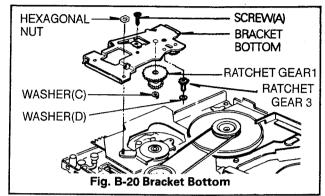
19. Pulley Gear Assembly (Fig. B-19)

- 1) Turn over the Deck Mechanism Assembly.
- 2) Remove the Capstan Belt.
- 3) Remove the Washer(A) and lift up the Pulley Gear.



20. Bracket Bottom Assembly (Fig. B-20)

- 1) Remove one screw(A).
- Remove one Hexagonal Nut, and then lift up the Bracket Bottom Assembly.
- 3) Remove one Washer(C), and lift up the Ratchet Gear 1.
- 4) Remove the washer(D), and then remove Ratchet Gear 3 from the Bracket Bottom.

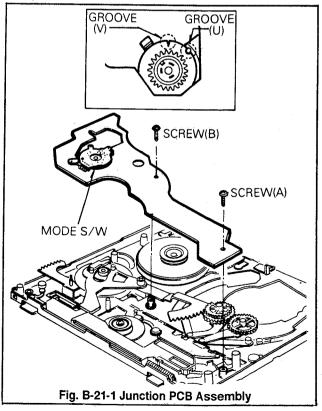


21. Junction PCB(Printed Circuit Board) Assembly(Fig. B-21-1)

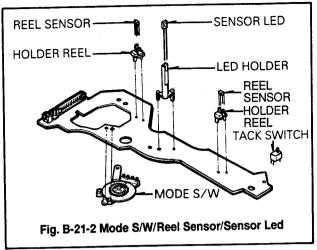
- 1) Remove the Bracket Bottom Assembly.
- 2) Remove two screws(A), (B) and then remove the Junction P.C.B Assembly.
- Remove the Mode Switch from the Junction P.C.B Assembly.
- 4) Remove the Reel Sensor, Sensor LEDS and each holder from the Junction P.C.B(Fig. B-21-2).

* NOTE

 When reassembling the Mode Switch, the groove(V) and (U) of Mode Switch should be at their original place in the Eject Mode.



4-16

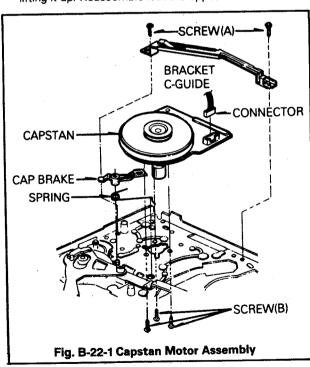


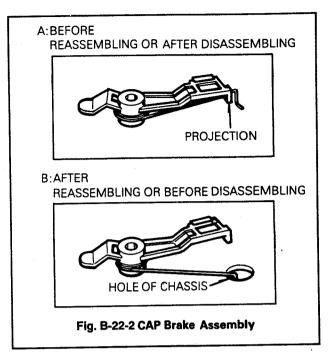
22. Capstan Motor and Brake Assembly (Fig. B-22-1)

- 1) Remove the Junction P.C.B Assembly
- Hook the end of Capstan Brake Spring to the projection of Capstan Brake and then remove the Capstan Brake Assembly by lifting it up (Fig. B-22-2).
- 3) Remove two Screws(A), and then remove the Bracket C-Guide.
- 4) Remove the Connector.
- Remove three screws(B), and then remove the Capstan Motor Assembly from the Deck Mechanism Assembly.

* NOTE

 When disassembling and reassembling, hook end of the spring on the projection of Cap-Brake and remove it by lifting it up. Reassemble it in the opposite manner.



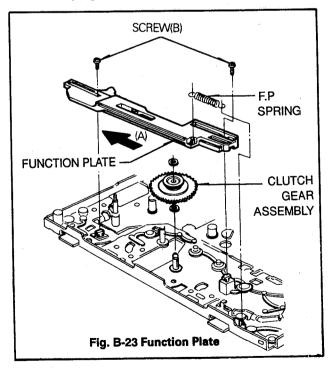


23. Function Plate(Fig. B-23)

- 1) Remove two screws(B) in Eject Mode.
- 2) Remove the Function Plate Spring.
- 3) Push the Function Plate in the direction of arrow(A) and then lift it up.

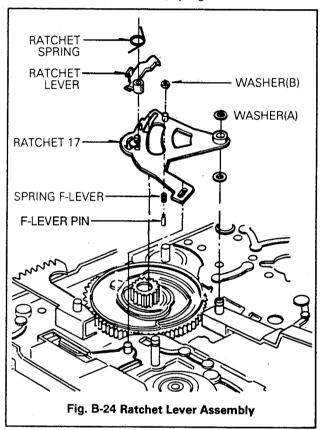
* NOTE

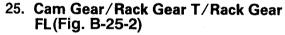
1) When reassembling the groove of Lower part of Function Plate should be aligned with the shaft of Tension Lever Assembly (Fig. B-29).



24. Ratchet Lever Assembly(Fig. B-24)

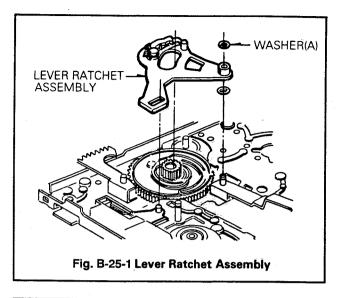
- 1) Remove the Function Plate.
- 2) Remove the Junction P.C.B Assembly.
- 3) Remove the Washer(A) and then remove the Ratchet Lever Assembly.
- 4) Remove the Ratchet Spring.
- 5) Remove the Ratchet Lever from the Ratchet 17 by lifting it up when the hook of it is aligned with the hole of Ratchet 17 while rotating it counterclockwise direction.
- 6) Remove the Washer(B), and turn over the Ratchet 17 and then remove the F-Lever Pin, Spring F-Lever.

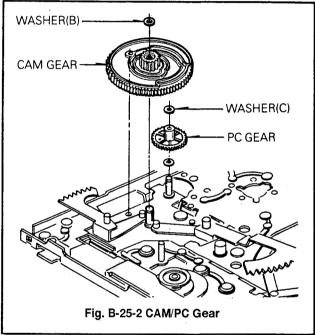


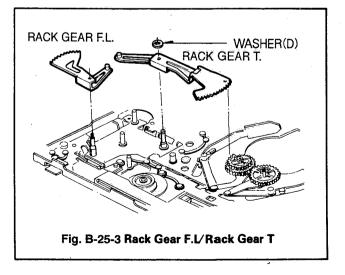


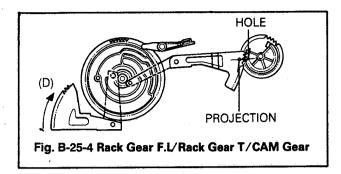
- 1) Remove the washer(A) and remove the Ratchet Lever Assembly (Fig. B-25-1).
- 2) Remove the washer(B), and then remove the Cam Gear (Fig. B-25-2).
- 3) Remove the Rack Gear F.L. (Fig B-25-3).
- 4) Remove the Washer(D).(Fig. B-25-3).
- 5) Remove the Rack Gear T.(Fig. B-25-3).

- 1) When reassembling
- Align the Projection of Rack Gear T with the hole of Loading Gear.
- ② Drive the Rack Gear F.L in the direction of arrow(D).
- ③ Hole of Cam should be aligned with the hole of chassis, and the groove(■) of Cam Gear should be aligned with the hole of PC Gear (Fig. B-26).







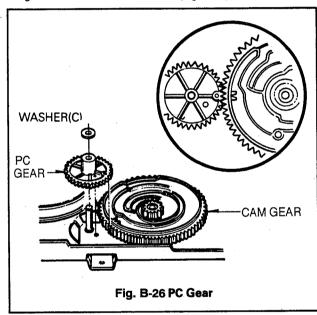


26. PC Gear(Fig. B-26)

- 1) Remove the washer(C).
- 2) Remove the P.C Gear by lifting it up.

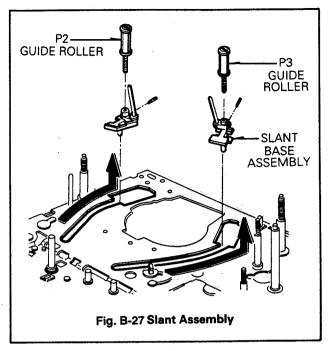
* NOTE

- 1) When reassembling
- The Groove of PC Gear should be aligned with the groove(V) of Cam Gear, and another hole of it should be aligned with the hole of chassis (Fig. B-26).



27. P2 and P3 Slant Assembly (Fig. B-27)

- After finishing the disassembly of Drum Assembly, remove the P2 and P3 Slant Assembly by turning the Loading Gear(R) in the clockwise direction. (Loading direction)
- 2) Loosen the set screws.
- 3) Remove the Roller Guide from the Slant Base.



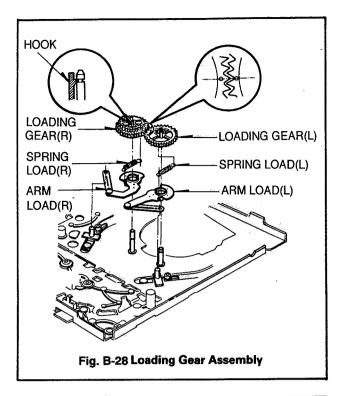
* NOTE

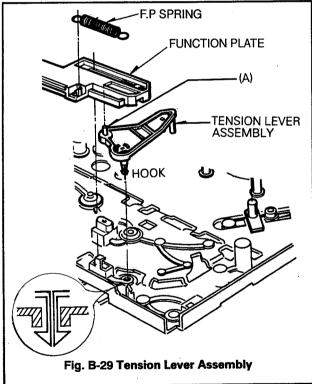
- 1) When disassembling and reassembling
- (1) Use a Hexagonal wrench to remove set screw.
- ② Take notice that the P2 and P3 Slant Assembly should not be changed from their original place.

28. Loading Gear Assembly(L),(R) (Fig. B-28)

- 1) Remove the Cam Gear, Rack-T.
- 2) Remove the P2 and P3 Slant Assembly by turning the Loading Gear(L),(R) in the Loading direction
- 3) Lift up the Loading Gear Assembly(L),(R) from the Deck Mechanism Assembly.
- 4) Remove the Spring Load(L),(R).
- 5) Separate the Loading Gear(L), (R) from Arm Load(L), (R).

- 1) When reassembling
- ① Make sure that the Loading Gear(L) and (R) should not be changed from their original place.
- ② Align the groove of Loading Gear(L),(O) with the groove of Gear(R),(O).





29. Tension Lever Assembly (Fig. B-29)

- 1) Remove the Function Plate.
- Remove the Tension Lever Assembly by pushing hooks inward.

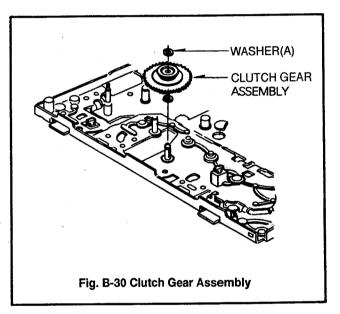
* NOTE

- 1) When reassembling
- Set the part(A) of Tension Lever Assembly in the groove of Lower part of Function Plate.

30. Clutch Gear Assembly(Fig. B-30)

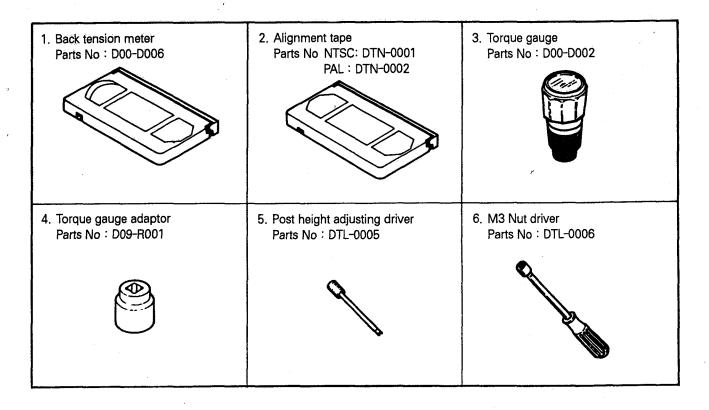
- 1) Remove the Pulley Gear.
- 2) Remove the Plate Function.
- 3) Remove the washer(A), and then remove the Clutch Gear Assembly.

- 1) When reassembling
- ① Do not disassemble the Clutch Gear Assembly any futher, because Torque adjustment is not adjustible.



MECHANISM ADJUSTMENTS

• Tools and Fixtures for Deck

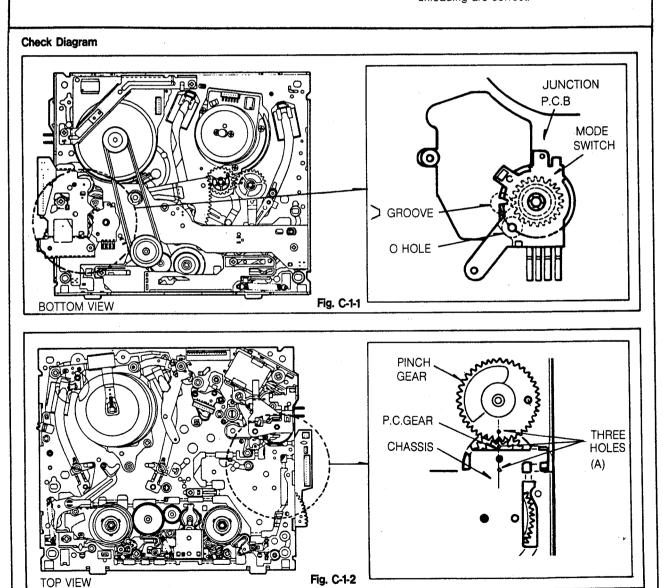


1. Mechanism State Switch (Mode Switch) Check

Purpose: To detect accurately the mechanism state and prevent the mechanism from malfunction.		
Test Equipment/Fixture VCR State Check Point		
●Blank tape	■ Eject Mode (with cassette ejected)	Mechanism state switch (Mode Switch and Cam)

Check Procedure

- Turn the VCR on and eject the tape by pressing eject button.
- Remove the Cabinet Top, the Main P.C.Board and the CST Housing. Then push the CST IN/OUT switch (Loca. #137) and eject button at the same time
- 3) Turn the worm (Loca. #082) of Loading Motor Assembly (Loca. #A10) to the left side (counterclockwise) to align the three holes (A) of the Pinch Gear, the P.C.Gear and the Chassis.
- 4) Remove the Bottom Cover and then check that the groove (V) and the hole (O) of Mode S/W are aligned each other. If the above alignment is not obtained, adjust as follows.
 - (1) Remove the Bracket Assembly Bottom and the Capstan Belt in the state of power off.
 - (2) Remove the P.C.B Assembly, align the groove (V) and the hole (O) of Mode S/W each other and then reassemble the P.C.B Assembly.
 - (3) Turn the power on and perform the various operations to check that the loading and the unloading are correct.



2. Preparation for Adjustment(To set VCR to the loading state without inserting a cassette)

- 1) Unplug the power cord from the AC outlet.
- 2) Remove the Cabinet Top and Front Loading mechanism.
- 3) Plug the power cord into the AC outlet.
- Turn the VCR on and push the tact switch in the PCB Assembly.

The VCR can accept input of each mode in this case. However the rewind and review operation cannot be performed for more than a few seconds because the take-up reel table is in the stop state and reel pulses cannot be detected.

(NOTE)

Always return the VCR to the Front Loading Mechanism Assembling State in the following order after the above operations have been performed.

- 1) Press the Eject button after turning the power on.
- Wait for about 10 seconds until searching out the assembly position.
- 3) Assemble the Front Loading Mechanism and connect the Front Loading Mechanism Connector.
- 4) Refer to the "Front Loading Mechanism Disassembly" which is described previously.

3. Tension Post Position and Tension Adjustment

Purpose: To make the tension of tape constant so that the contact between the video heads and tape is stabilized.

Test Equipment / Fixture	VCR State	Adjustment Point
Tension Meter (Tension adjustment)	Play without cassette and with a Tension Meter	Holder Band(B)

Adjustment Procedures

(Position Adjustment)

- 1) Perform loading without inserting a tape and loosen the screw that attaches the Holder Band(B) to the Deck Mechanism Assembly.
- 2) Insert the (-)type driver between the Holder Band(B) and the "V" groove of the chassis.
- 3) Move the Holder Band(B) right and left and align the center of tension post(Guide T-Post) with the center of P1(Shaft P1).(tolerance:Less than \pm 0.3mm)
- Tighten the screw that attaches the Holder Band(B) to Deck Mechanism Assembly.

(Tension Adjustment)

- 1) Play the Tension Meter and read the Tension Meter: 38g.cm±4g.cm(reference value).
- 2) If the result is abnormal.
 - (1) over the standard:loosen the screw, move the Holder Band(B) to the right a little and then tighten the screw and make sure that this adjustment is correct.

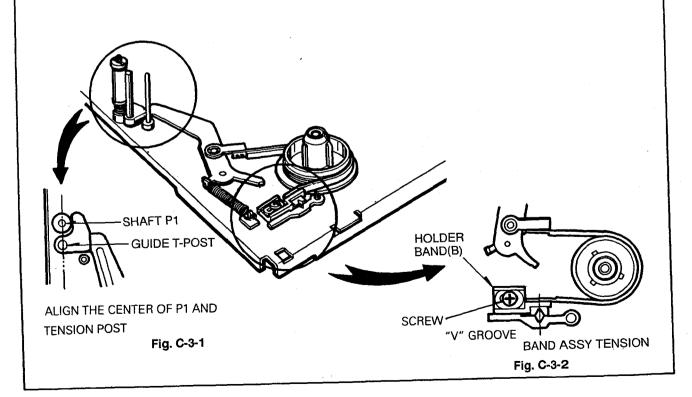
(2) below the standard:loosen the screw, move the Holder Band(B) to the left a little and then tighten the screw and make sure that this adjustment is correct.

CAUTION

The range of movement of Holder Band(B) should be within ±1.5mm while being adjusted.

If the range is over, you should recheck the Reel Brake, Tension Arm and Spring.

Adjustment Diagram



4. Checking Torque

Purpose: It is necessary to check the tension, torque and compression force at the tape take-up section and moving section to make the tape run smoothly and satisfy the basic performance of the VCR. Check these if the tape does not run smoothly or the tape speed is abnormal.

Test Equipment/Fixture	VCR state	
 Torque Gauge Torque Gauge Adaptor Cassette Torque Meter SRK-VHT-063: Play, Cue SRK-VHT-303: Review 	 Set the VCR to each operation mode without inserting a cassette. (See '2 Preparation for Adjustment') 	

			
ltem	VCR Operation mode	Measurement Reel	Measurement Values
Main brake torque,	Eject	Supply and take-up reels	600g.cm or more
Slack removal torque	Unloading(power off)	Supply reel	120~220g·cm
Fast forward torque	Fast forward	Take-up reel	600g·cm or more
Rewind torque	Rewind	Supply reel	600g-cm or more
Play take-up torque	Play	Take-Up reel	90~150g·cm
Review Torque	Review	Supply Reel	120~180 g.cm
CUE Torque	Cue	Take-Up Reel	110~170 g.cm

Checking Method

The values are measured by using a torque gauge and torque gauge adaptor with the torque gauge fixed.

Note: This value is measured when the VCR is shifted in the unloading direction from the fast forward or rewind mode and quick braking is applied to both Reel Tables.

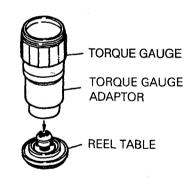


Fig. C-4

5. Guide Roller Height Adjustment

Purpose: To regulate the height of tape so that the bottom of tape runs along the tape guide line on the lower drum.

A. Preliminary Adjustment

Test Equipment/Fixture	VCR State	Adjustment Point
Hexagonal Wrench or BendedDrive (+) TypePost Height Adjusting Driver	● Play an alignment tape	 Guide Roller Height Adjustment Screws on the Supply and Take-Up Guide Rollers.

Adjustment Procedure

- 1) Perform the precise adjustment.
- 2) When the Guide Roller is damaged, release the Guide Roller retaining screw and then replace the Guide Roller.

Adjustment Diagram



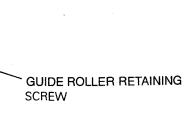


Fig. C-5-1

B. Precise Adjustment

Test Equipment/Fixture	Test Equipment Connection Points	VCR State	Adjustment Point
 Oscilloscope Post Height Adjusting Driver Alignment Tape(30HMP-2) Hexagonal wrench 	CH-1:PB RF Envelope CH-2 (NTSC: SW30Hz (PAL: SW25Hz) Head Switching Output Point RF Envelope Output Point	● Play an alignment tape	Guide Roller Height Adjustment Screws.

Adjustment Procedure

- 1) Play an alignment tape after connecting the probe of the oscilloscope to RF Envelope Output Test Point and Head Switching Output Test Point.
- 2) Tracking control(in PB mode): Center position(When this adjustment is performed after the drum assembly has been replaced, set the tracking control so that the RF output is maximum.)
- 3) Height adjustment screw: Flatten the RF waveform.
- 4) Turn(Move) the tracking control(playback) clockwise and counterclockwise.(to the right and left)
- 5) Check that any drop of RF output is uniform at the start and end of the waveform.

CAUTION

If the adjustment is excessive or insufficient the tape is jammed or folded.

Waveform Diagrams

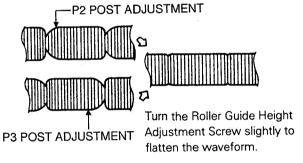


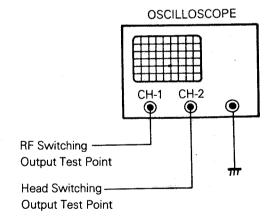
Fig. C-5-2



Tracking control at center Turn(Move) the tracking control to both directions.

Fig. C-5-3

Connection Diagram



6. Audio/Control(A/C) Head Adjustment

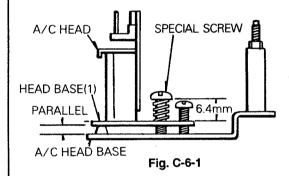
Purpose: To keep the contact between the tape and head so that the specificed track is recorded and played back.

A. Preliminary Adjustment (Perform the preliminary adjustment, when there is no Audio Output signal with alignment tape.)

Test Equipment/Fixture	VCR State	Adjustment Points
● M3 Nut Driver		Special screwCone Point Screw for tiltAzimuth Adjustment Screw
Blank tape	Run the blank tape	●A/C Head Adjuster

Adjustment procedure/Adjustment Diagram

 Tighten the special screw so that the spring section protrudes 6.4mm(approx.) over the top of Head Base (1).



 Turn the Azimuth Adjustment Screw and Cone Point Screw so that the Head Base(1) and A/C Head Base are parallel.

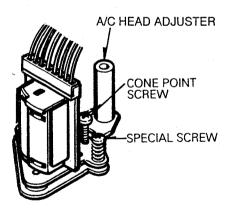
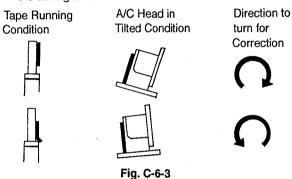


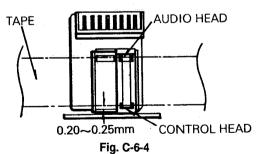
Fig. C-6-2

Load a blank tape and set the VCR to the play mode.

- 4) Confirm that the tape runs fittingly to the lower limit of the P4 post. Also confirm that the tape runs smoothly.
- 5) If adjustment is required, turn Cone Point Screw clockwise until curling is apparent at the lower edge of P4. Then turn Cone Point Screw counterclockwise until the curling smooths out.



6) Check that there is no conspicuous curling and folding around the A/C head. If there is conspicuous curling or folding, readjust the Cone Point Screw, Azimuth Adjustment Screw and A/C Head Adjuster. When the bottom edge of tape is 0.20~0.25mm from the bottom edge of the control head's core, the height of A/C head is ideal.



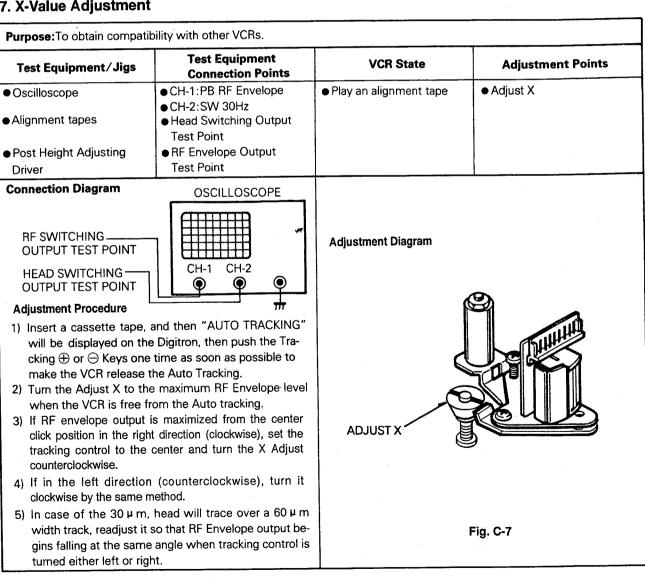
7) If necessary repeat steps 1 through 4 until a precise adjustment is achieved.

B. Precise Adjustment

Test Equipment/Fixture	Test Equipment Connection Point	VCR State	Adjustment Points
OscilloscopeAlignment tapesM3 Nut Driver	● Audio output jack	● Play an alignment tape 1KHz, 7KHz sections	 Azimuth Adjustment Screw A/C Head adjuster Cone point screw
jack. 2) Adjust the Azimuth Adj adjuster and cone point s so that an Audio 1KHz ((minimum fluctuation).	screw slightly and alternately butput is maximum and flat.	Waveform Diagram	B' B'
 Adjust the Azimuth Adju alternately so that the Au 	stment Screw slightly and dio 7KHz output is maximum.	A:Maximum	BB':Minimum

Fig. C-6-5

7. X-Value Adjustment



8. Adjustment after Replacing Drum Assembly(Video Heads)

Test Equipment/Fixture	Test Equipment Connection Points	VCR State	Adjustment Points
Oscilloscope Post Height Adjusting Driver Alignment tape Blank tape M3 Nut Driver	Checking the flatness CH-1:PB RF Envelope CH-2 (NTSC: SW30Hz PAL: SW25Hz Head Switching Output Point RF Envelope Output Point	● Run the blank tape ● Play an alignment tape	 Guide Rollers Precise Adjustment Switching point Tracking point X-Value
Connection Diagram		Waveform Diagram	
RF SWITCHING ————————————————————————————————————	OSCILLOSCOPE	V ₁ V ₂	
	ocedure k and adjust whether the Roll- easing tape around the Roller	V₁/V MAX ; V₂/V MAX ; RF ENVELC	
 Check the RF envelope Roller Guide Height whil Adjust the head switchin Check that RF envelope 	output is maximum when the		•
tracking is at the initial po	sition.		a C.9

9. Check of Tape Travel after reassembling Deck Assembly

5) Adjust the Tracking Preset and X-Value Adjust with X

and RF Output Waveform fits to specification.

3) If the results checked above are abnormal, reapeat

adjustments 4 through 8.

9-1. Check Audio and RF Locking Time during playback after CUE or REV.

Test Equipment/Fixture	Specification	Test Equipment Connection Point	VCR State
 Oscilloscope Alignment tape (with 6H 3kHz Color Bar Signal) Stop Watch 	RF Locking Time: Less than 5 sec. Audio Locking Time: Less than 10 sec.	CH-1: PB RF Envelope CH-2: Audio Output RF Envelope Output Point Audio Output Jack	Play an alignment tape (with 6H 3kHz Color Bai Signal)

* 6H:LP

Fig. C-8

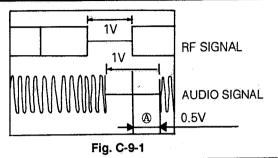
Adjust.

9-2. Check the coincidence of both Audio and Video Sync.(Lip Sync.)

Test Equipment/Fixture	Specification	Test Equipment Connection Point	VCR State
Oscilloscope 2H 9V Tape(for X-Value Adjustment Coincidence) or alignment tape	● Less than ±0.5V	CH-1: PB RF Envelope CH-2: Audio Output RF Envelope Output Point Audio Output Jack	● Play a 2H 9V tape or an alignment tape.

Checking Procedure

- 1) Confirm that the period A of Fig. C-9-1 is within ± 0.5 V.
- 2) If the result is abnormal, repeat adjustment #7. (X-Value adjustment).



* 2H:SP, V: Vertical

9-3. Check the occurance of tape curl and jam

Test Equipment/Fixture	Specification	VCR State	
● T-160 Tape ● T-120 Tape	 Be sure there is no jam or curl at the beginning, the middle period or the end of the T-160 tape. 	 Run the CUE, REV play mode at the beginning and the end of the tape. 	

Checking Procedure

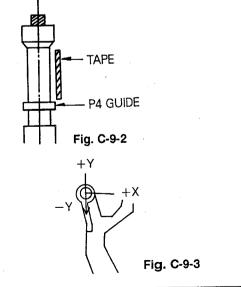
- 1) Confirm whether the state of each transportation post is normal.
- 2) Make sure nothing is wrong with the operation of the Counter, when the lower part of tape is folded.
- 3) Be sure there is nothing wrong in the Audio signal, when the upper part of tape is folded.
- 4) If the result is abnormal, repeat adjustment #5 and #6.

9-4. Check the adjustment state of Take-Up Guide		
Test Equipment/Fixture	Specification	
	 Review: Travel the tape that align the top of the P4 Guide and the bottom of the Tape or be folded. Play: Travel the tape that align the top of the P4 Guide and the bottom of the Tape. 	
Checking Procedure 1) Run the CUE or PLAY mode at the middle period or the end of the T-120 tape. 2) Run the REV mode at the play or cue part of tape.	TAPE	

- 3) At this time, confirm that the change of tape height at the P4 Guide fits to specification.
- 4) If the result is abnormal, refer to Table 9-1.
- 5) Play the beginning of T-120 tape(within 5 min.)
- 6) Confirm that the state of tape transportation fit to specification in P4 Guide.
- 7) Remove the Tension Arm Assembly by rotating in the clockwise direction and then confirm that the state of tape transportation fit to specification.
- 8) If the result is abnormal, refer to Table 9-1.

PLAY Mode	le REV Mode Adjustment Method	
Tape Falling	Tape Lift	Bend the shaft of the direction +Y.
Tape Lift	Tape Falling	Bend the shaft of the direction -Y.

Table 9-1



10. Maintenance/Inspection Procedure

(1) Required Maintenance

The recording density of a VCR is much higher than that of an audio tape recorder. VCR components must be very precise, at tolerances of 1/1000mm, to ensure compatibility with other VCRs. If any of these components are worn or dirty, the symptoms will be the same as if the part is defective. To ensure good picture, periodic inspection and maintenance, including replacement of worn out parts and lubrication, are necessary.

(2) Scheduled Maintenance

Schedules for maintenance and inspection are not fixed because they vary greatly according to the way in which the customer uses the VCR, and the environment in which the VCR is used.

But, in general home use, a good picture will be maintained if the inspection and maintenance is made every 1,000hours. The table below shows the relation between time used and inspection period.

Table 1

When inspection is necessary Average hours used per day	About 1 year	About 18 months	About 3 years
One hour	////////	///////	
Two hours			
Three hours	/////		

(3) Check before starting repairs

The following faults can be remedied by cleaning and oiling. Check the needed lubrication and the conditions of cleanliness in the unit.

Check with the customer to find out how often the unit is used, and then determine that the unit is ready for in spection and maintenance. Check the following parts.

Table 2

Phenomenon	Inspection
Poor S/N, no color	Dirt on video head or
	worn video head
Tape does not run or tape	Dirt on pressure roller, belt
is slack	or flywheel belt
Vertical jitter, horizontal	Dirt on video head or in
jitter	tape transport system
Color beats	Dirt on full-erase head
Low volume or sound	Dirt on audio/control head
distorted	
Fast forward or rewind is	Dirt on belt
not done or rotation is	
slow	

(4) Supplies Required for Inspection and Mainte-

- (1) Greases Kanto G-31(or equivalent)
- (2) Alcohol(Isopropyl Alcohol)
- (3) Cleaning Patches

5) Maintenance Procedure

5-1) Cleaning

(1) Cleaning video head

First use a cleaning tape. If dirt on head is too stubborn to remove by tape, use the cleaning patch. Coat the cleaning patch with alcohol(Isopropyl Alcohol) to the point indicated. Touch the cleaning patch to the head tip and gently turn the head(rotating cylinder) right and left.

(Do not move the cleaning patch vertically and make sure that only the buckskin on the cleaning patch comes into contact with the head. Otherwise, the head may be damaged.)

Thoroughly dry the head. Then run test tape. If alcohol (Isopropyl Alcohol) remains on the video head, the tape may be damaged when it comes into contact with the head surface.

(2) Clean the tape transport system and drive system, etc, by wiping with a cleaning patch wetted with alcohol (Isopropyl Alcohol).

Note:

- It is the tape transport system which comes into contact with the running tape. The drive system consists of those parts which move the tape.
- ② Make sure that during cleaning you do not touch the tape transport system with the tip of a screw driver and no force is applied to the system that would cause deforming.

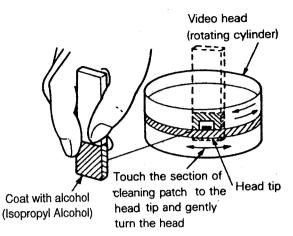


Fig. C-10-1

5-2) Greasing

(1) Greasing guidelines

Apply grease, with a cleaning patch. Do not use excess grease. It may come into contact with the tape transport of drive system. Wipe any excess and clean with cleaning patch wetted in alcohol(Isopropyl Alcohol).

(2) Periodic greasing
Grease specified locations every 5,000hours.

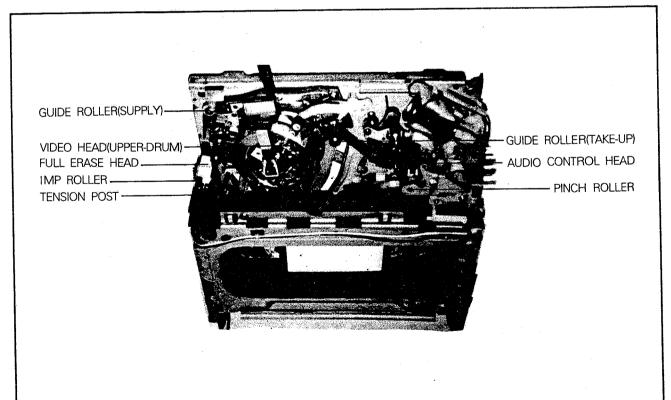


Fig. C-10-2 Tape Transport System

Phenomenon	Inspection	Replace ment	
Color beats	Dirt on full-erase head	0	→ ①
Poor S/N no color	Dirt on video head	0	→ ②
Vertical jitter	Dirt on video head Dirt in tape transport system	0	→ ③
Low volume, Sound distorted	Dirt on audio/control head	. 0	→④
Tape does not run. Tape is slack	Dirt on pinch roller.	0	→ ⑤

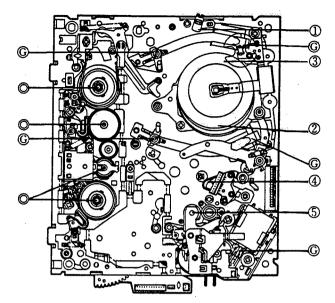


Fig. A-11 Top View of Mechanism

Phenomenon	Inspection Location	Replace ment	
Do not fast forward or rewind, or rotation is slow	Dirt on reel belt	0	
Tape does not run			
Slack tape			

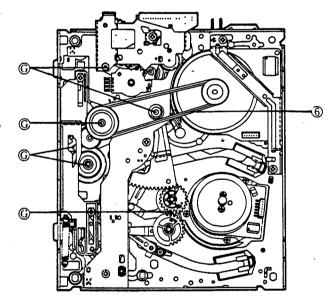


Fig. A-12 Bottom View of Mechanism

Note:If locations marked with O do not operate normally after cleaning, check for wear and replace.

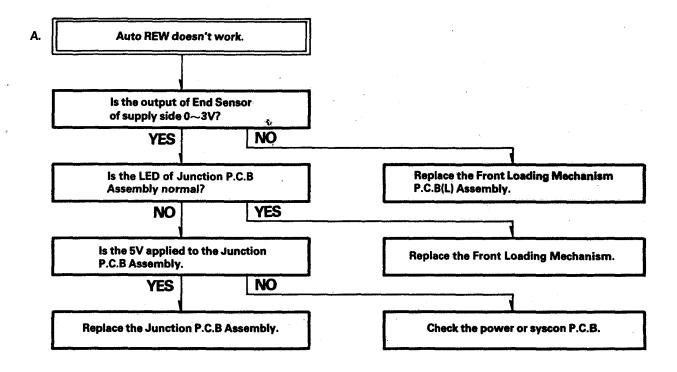
See the EXPLODED VIEWS at the end of this manual as well as the above illustrations for the sections to be lubricated and greased.

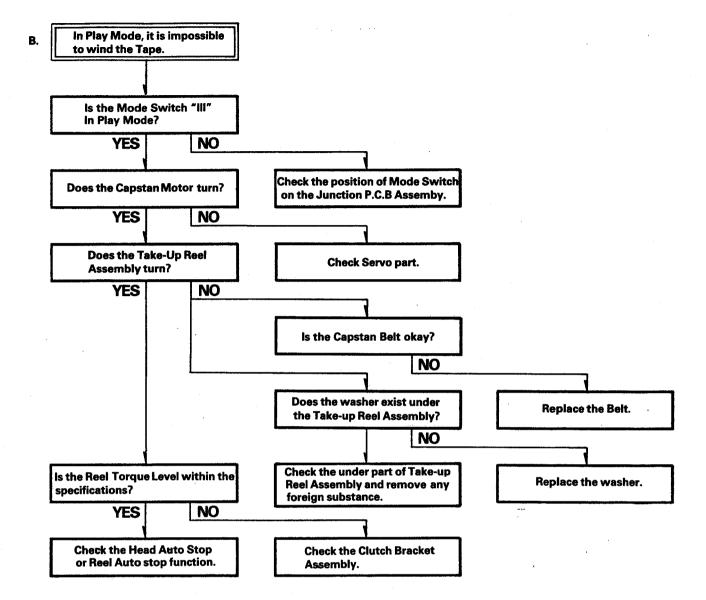
©:Grease

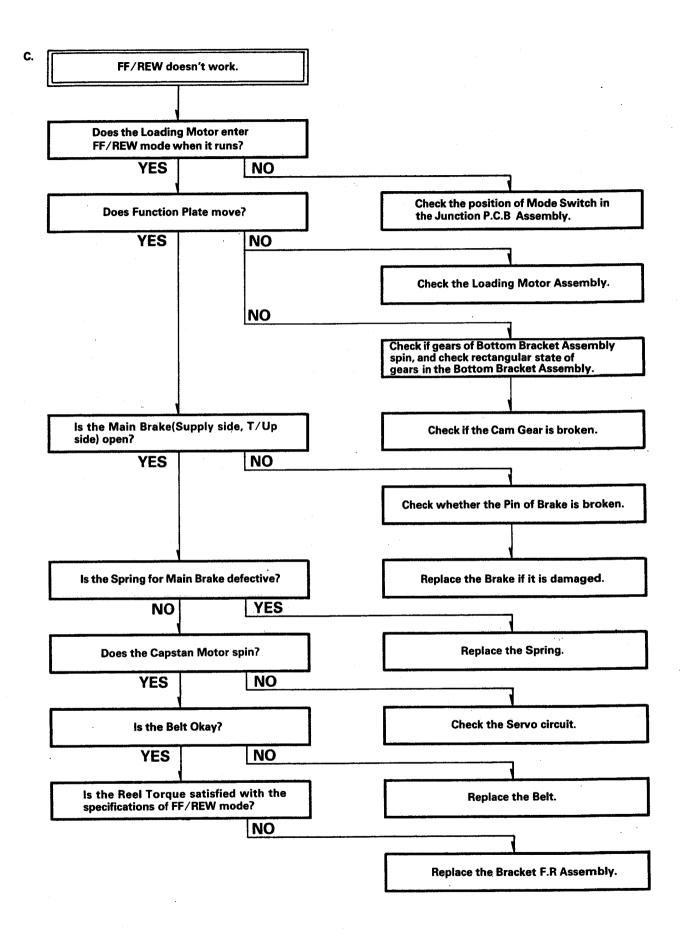
©:Oil

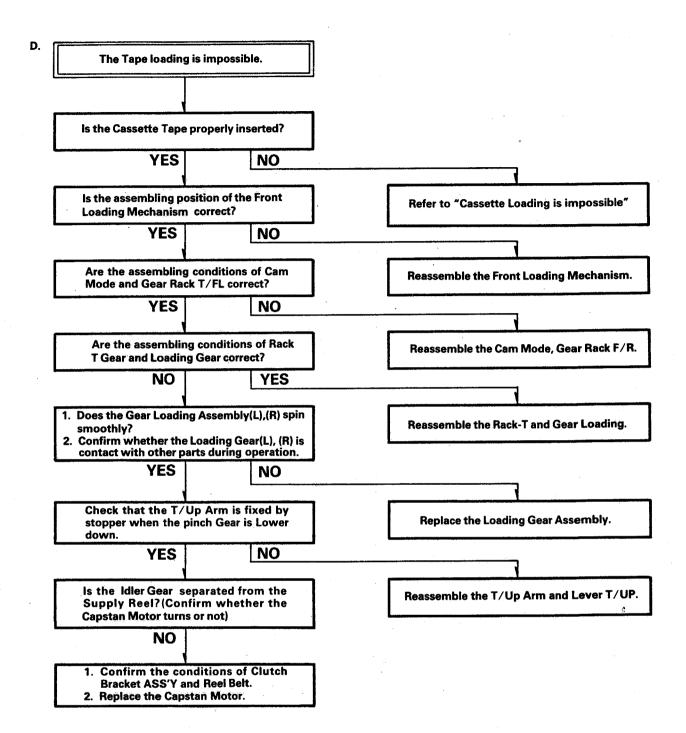
MECHANISM TROUBLESHOOTING GUIDE

1. Deck Mechanism

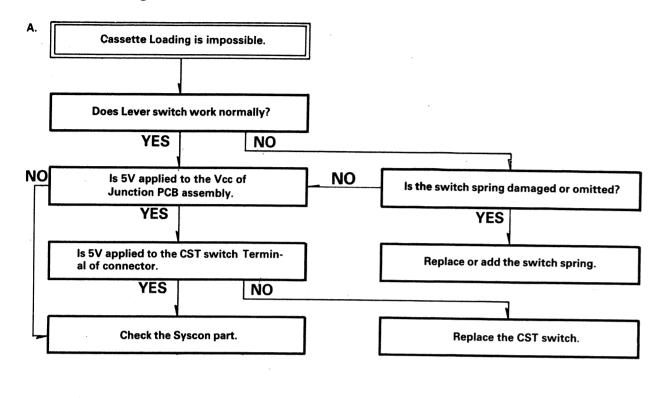


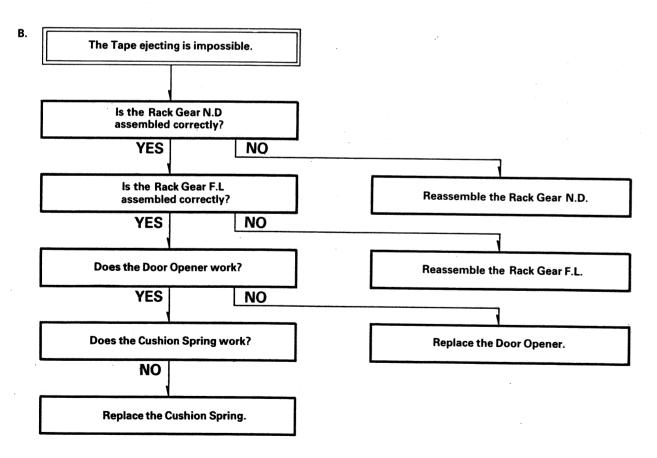


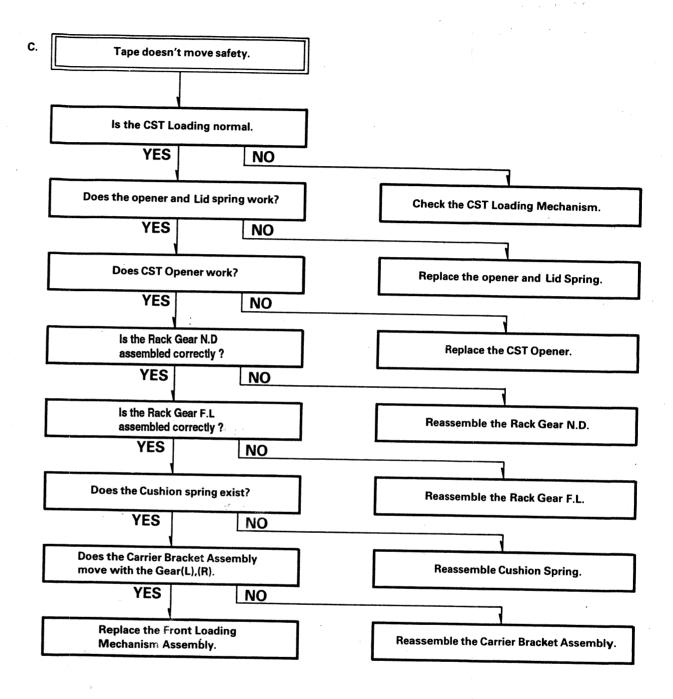


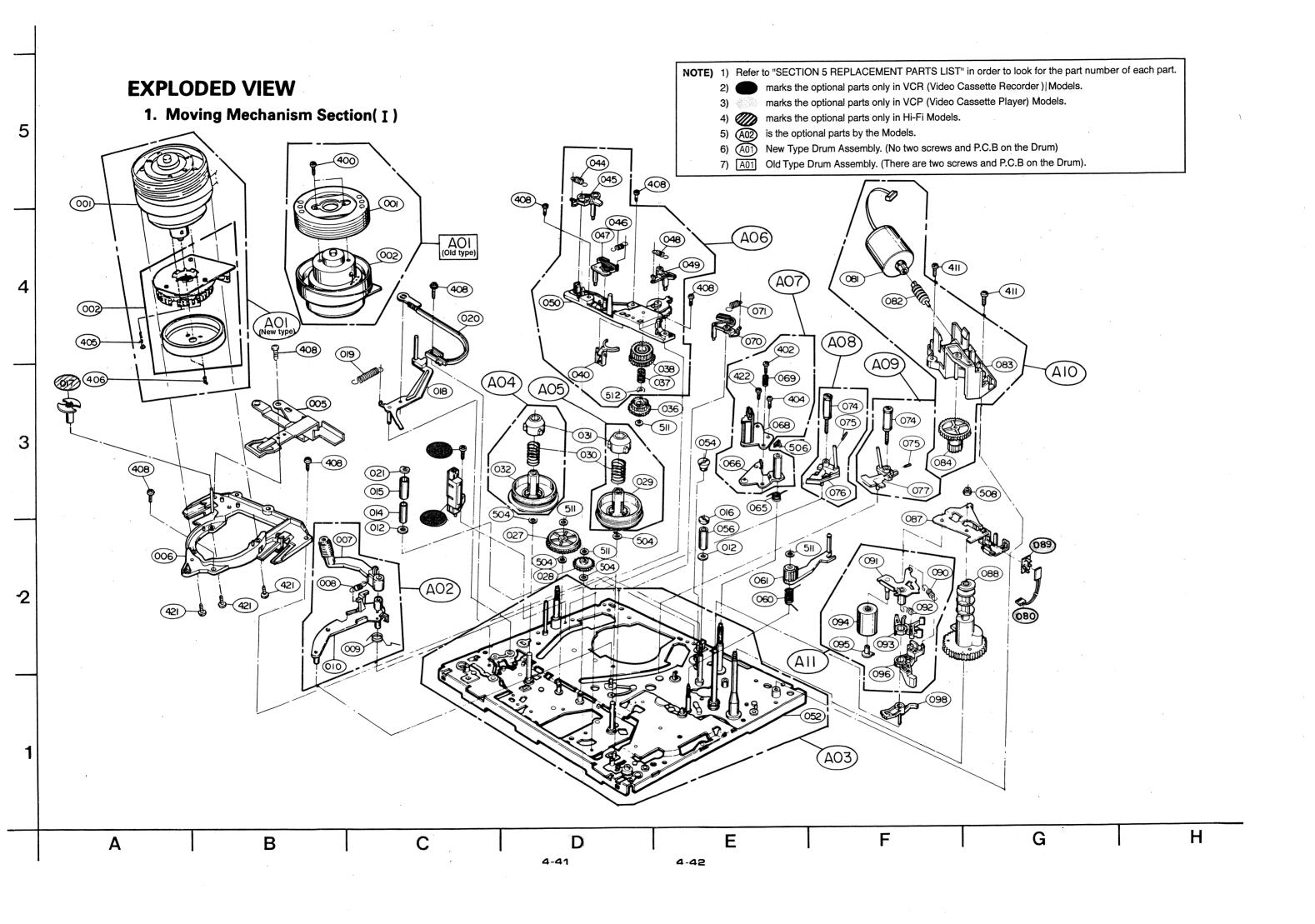


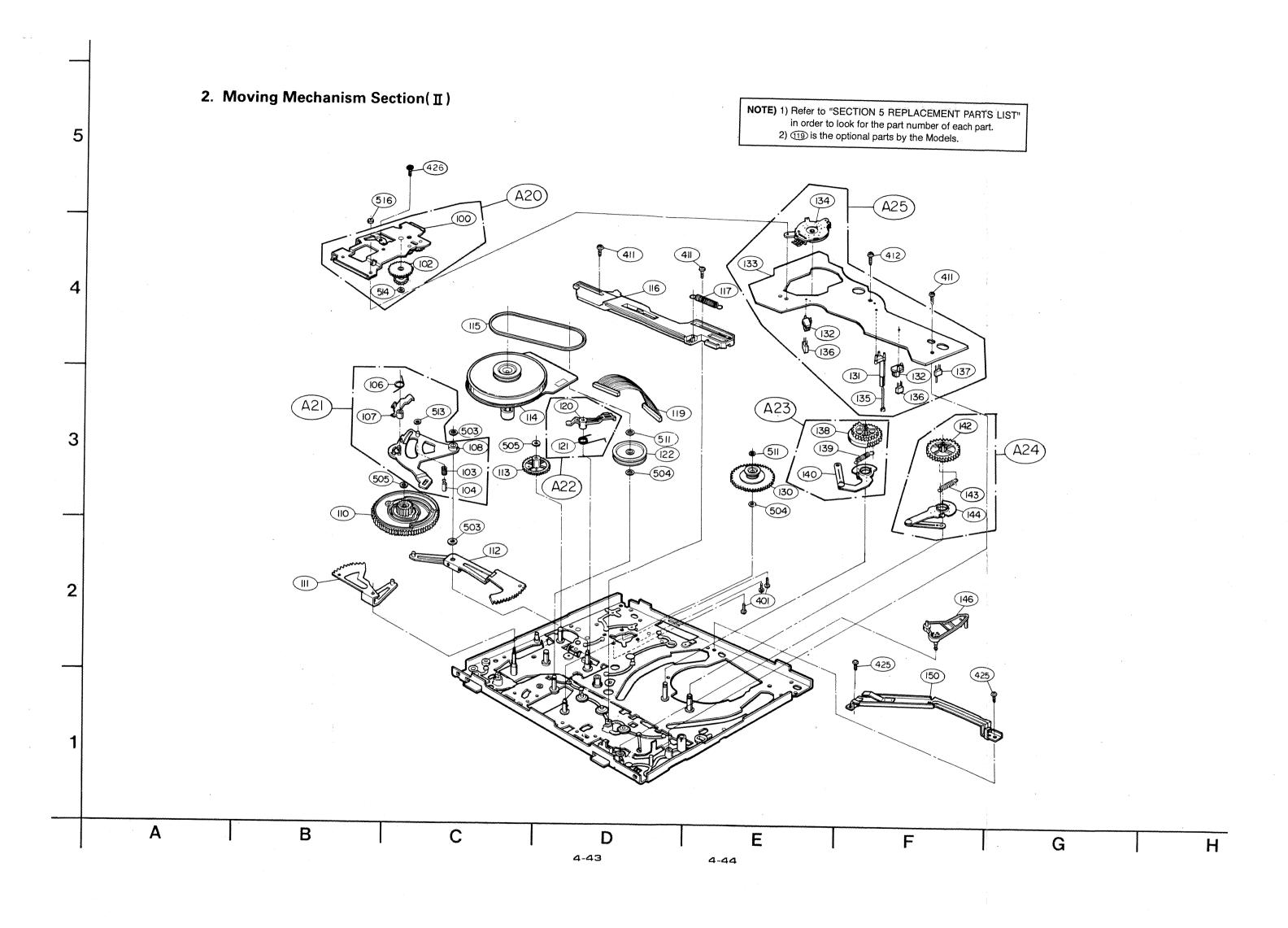
2. Front Loading Mechanism

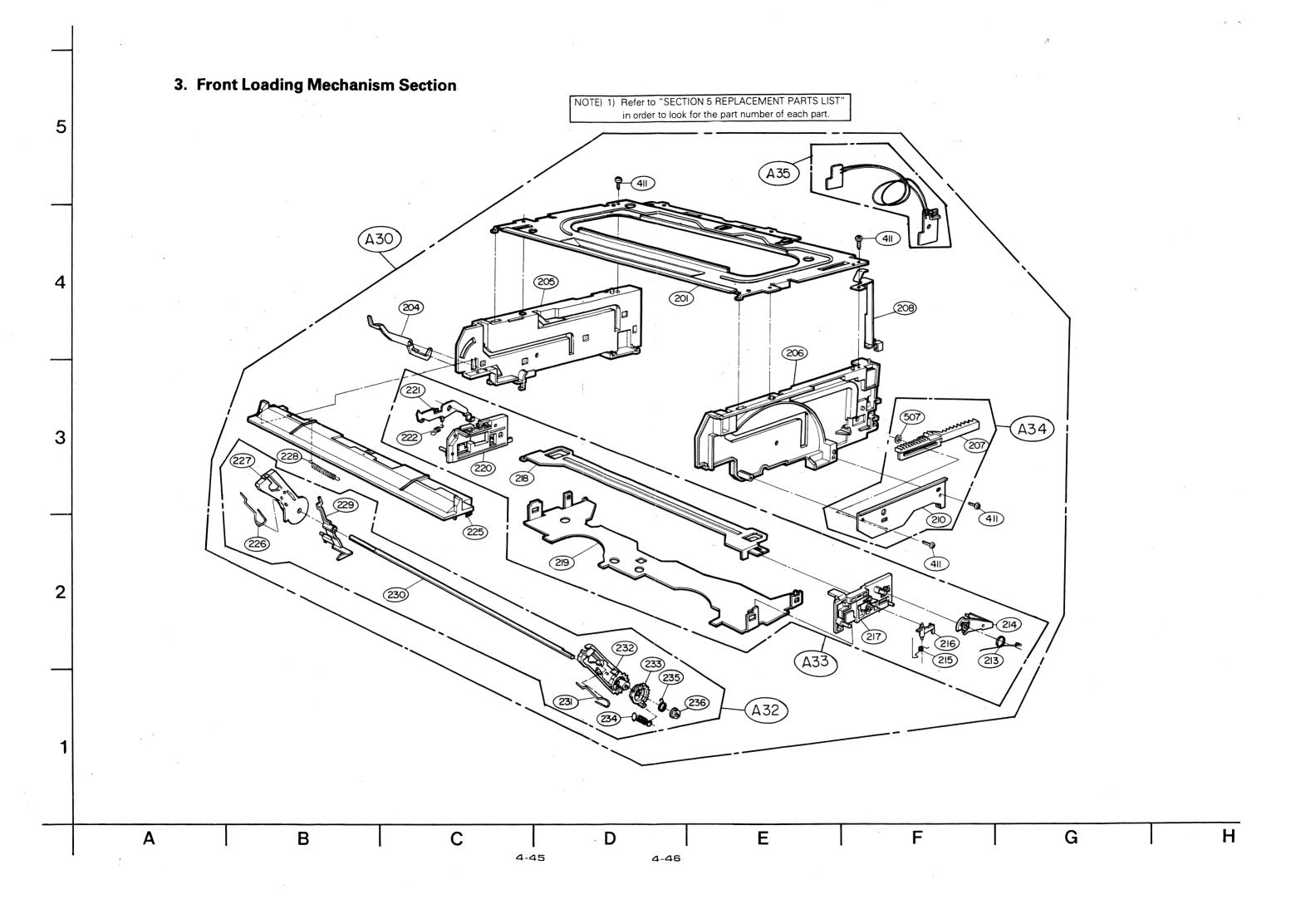




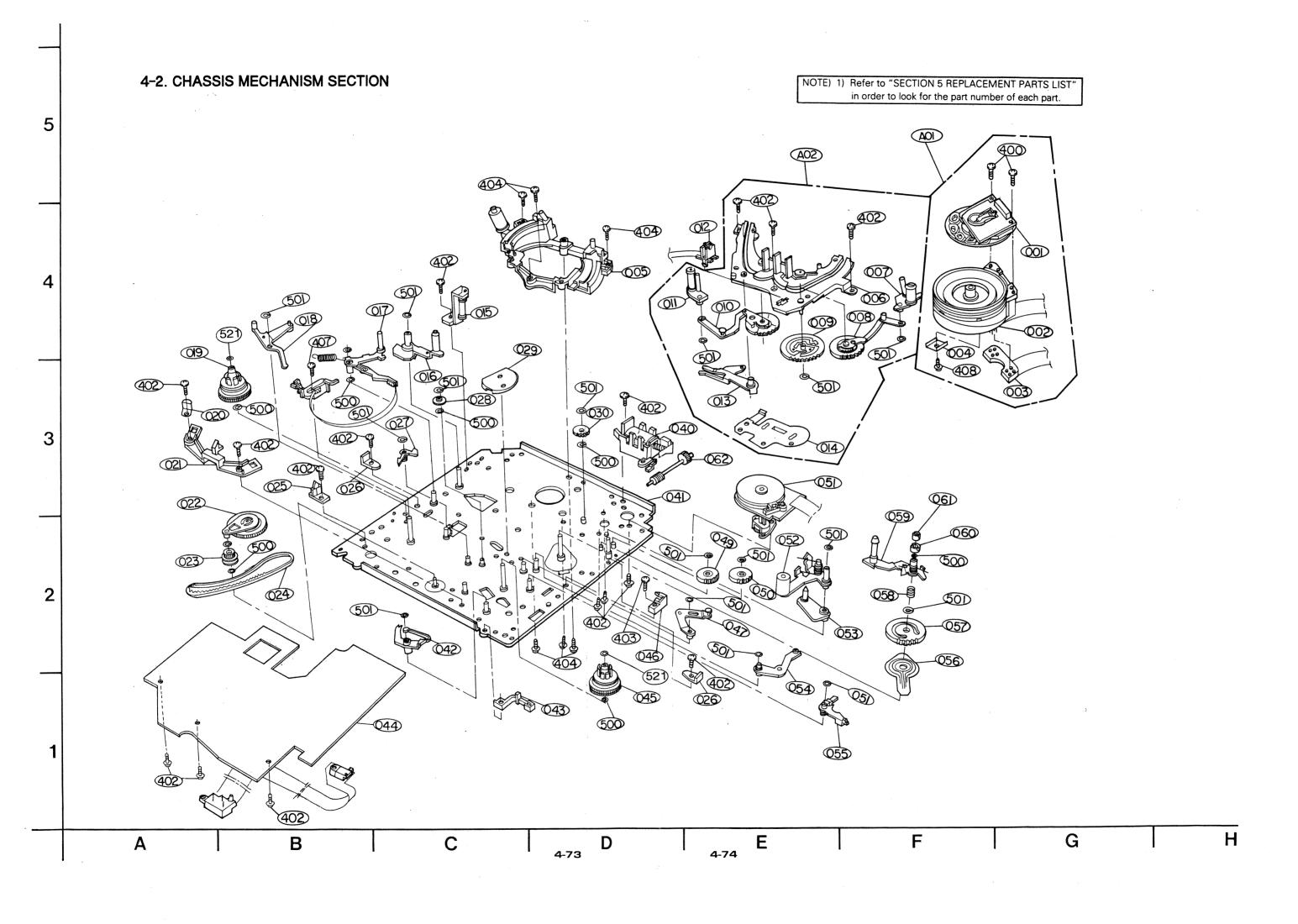








4. EXPLODED VIEW NOTE) 1) Refer to "SECTION 5 REPLACEMENT PARTS LIST" in order to look for the part number of each part. 4-1. CASSETTE HOUSING SECTION В G



SECTION 4-2.8 mm DECK MECHANISM

PERIODICAL CHECK AND MAINTENANCE

For the normal operation and the protection of Tape, the periodical checking and maintaining is required like the unit.

Perform the following steps after the adjustment without the used time.

1. ROTARY DRUM ASSEMBLY CLEANING

Stick the smooth swab moistened with the cleaning water fast to the rotary Drum Slightly, and then rotate the Rotary Upper Drum with a finger to the counter-clockwise slowly.

NOTE

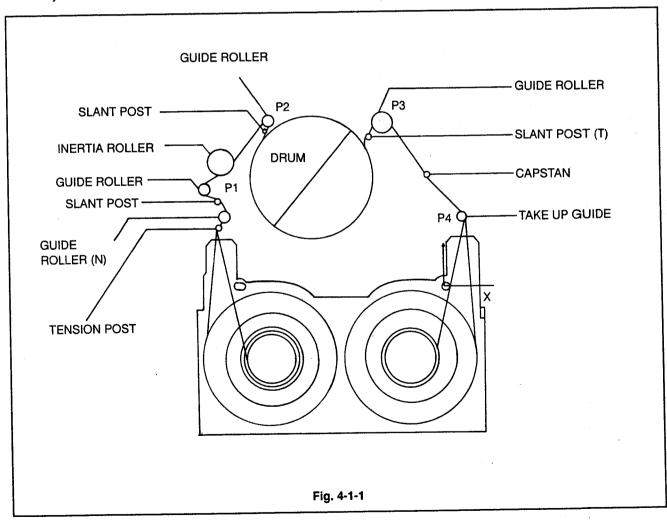
Be careful so the Motor is not to rotate the Drum and not to rotate to the clockwise. Do not use the swab moistened with the cleaning water to the Head Vertically.

2. TAPE LOADING COURSE CLEANING

Set the Cassette Compartment to the Eject State or remove it, and then wipe the Tape loading Course (No. 1 Guide~No. 7 Guide Capstan Shaft, Pinch Roller) with the Chamois Leather Moistened in cleaning water.

3. DRIVE SYSTEM CLEANING

Wipe the Drive System (Timing Belt, Surface of Reel Table etc.) with the Chamois Leather moistened in cleaning water.



Check Parts			Time (Hours) (H)							Remarks		
			1,000	1,500	2,000	2,500	3,000	3,500	4,000	4,500	5,000	, noma, no
Cleaning	Tape path surfaces Cleaning	0	0	0	0	0	0	0	0	0	0	Be careful about oil
and Demag- netizing	Rotary drum assembly Cleaning and demagnetizing	0.	0	0	0	0	0	0	0	0	0	Be careful about oil
	Relay belt	-	☆	-	☆	_	☆	_	☆	-	☆	·
Drive System	Capstan shaft	-	0	-	0	_	0		0	-	0	Be careful about that the Oil do not drop
Oystern	Idler pulley axle	-	0		0	_	0	_	0	_	0	on the surface of Tape Path
	Loading Motor	_	☆	_	☆	_	☆	_	☆	_	☆	
	Abnormal noise	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	
Perfor- mance	Brake tension Measurement	-	☆		☆		☆	_	☆	<u>-</u>	☆	
Check	Brake system	1	☆	_	☆	_	☆	_	☆	_	☆	
	FWD, RVS torque Measurement	_	☆	_	☆	_	☆	_	☆	-	☆	

NOTE:

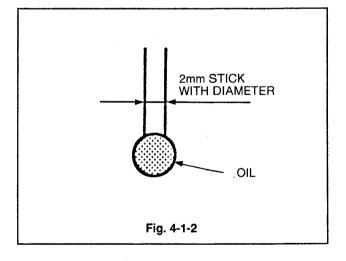
During checking the Unit, refer the Time Table above for the parts change etc.

Oiling:

- Use the regular Oil always.
 (If the unregular oil is used, the Unit may get demaged.)
- Apply the clean oil on the position used the shaft bearing.
- "Oil 1 drop" means the quantity of degree hanged to the end of 2mm Stick with diameter. (Refer to Fig. 4-1-2)

Grease:

• Use the regular Grease.

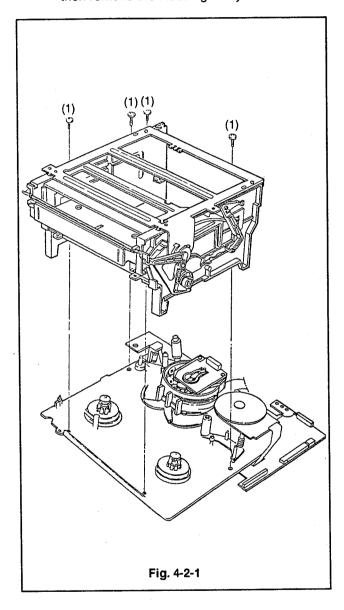


DECK MECHANISM DISASSEMBLY AND REASSEMBLY

1. Front Loading Mechanism

1-1. Housing Ass'y Disassembly

- 1) Disassembly (Fig. 4-2-1)
 - (1) Set the unit to the ULC Mode (Unloading Mode)
 - (2) Remove 4 Screw(1) on the upper part and then remove the Housing Ass'y CST.



2. DC MOTOR (Capstan motor) ASS'Y

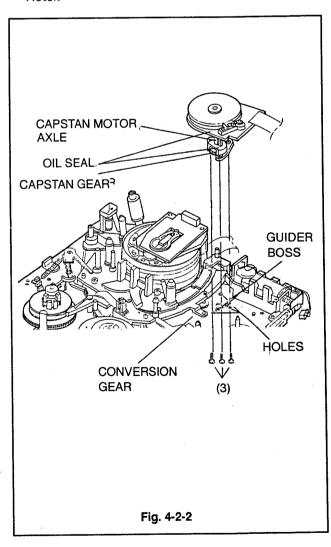
2-1. Disassembly (Fig. 4-2-2)

- (1) Set the Unit on the ULC Mode (Unloading).
- (2) Remove the DC Motor Ass'y by releasing 3 Screws(3) on the lower part of the Chassis.

2-2. Reassembly (Fig. 4-2-2)

- (1) Engage the Capstan Gear with the conversion Gear by fixing the 2 Guider bosses and 3 Guider Holes on the Upper part of Chassis into the 2 Guider Holes on the Capstan Gear.
- (2) Set the DC Motor Ass'y with 3 Screws(3) on the Lower part of Chassis.

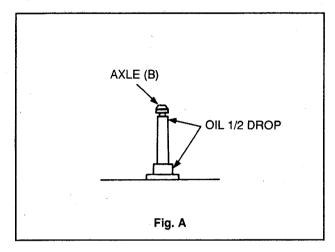
- · Use the about 2kgfcm Torque to fix Screw.
- Do not engage with the Gears by forces, because the Capstan Gear is easy to get demaged.
- · Stick the DC Motor fast to the Chassis completely.
- Do not touch the Capstan motor Axle, Oil Seal and Rotor.

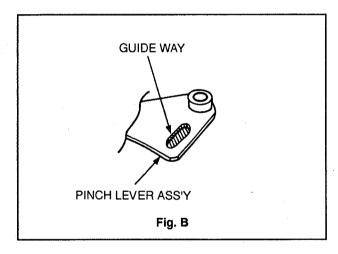


3. PINCH ARM ASS'Y AND PINCH LEVER ASS'Y

3-1. Disassembly (Fig. 4-2-3)

- (1) Set the Unit to the ULC Mode.
- (2) Remove the Pinch Arm Ass'y by removing the stopper Washer.
- (3) Remove the Pinch Lever Ass'y.

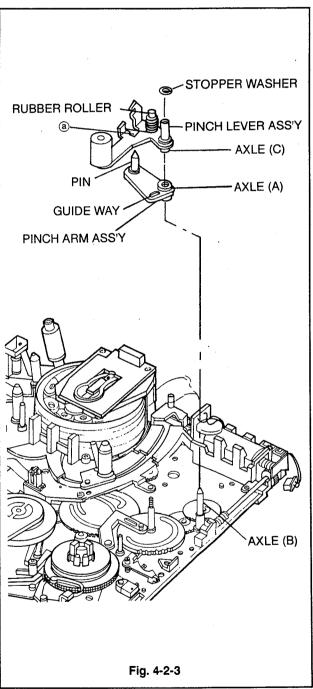




3-2. Reassembly (Fig. 4-2-2, 4-2-3)

- (1) Apply Oil 1/2 drop to the Axle(B) 2 point.
- (2) Apply greese in the in side of Guide on the Pinch Lever Ass'y (Fig. B).
- (3) Stick the Axle(A) of Pinch Lever Ass'y in the Axle B and assemble so the Roller is to be approached to the Guide Way.
- (4) Assemble so the Pinch Lever Ass'y pin is sticked in the ⓐ point by inserting the Pinch Arm Ass'y Axle(C) in the Axle (reassembling state).
- (5) Set the Stopper Washer.

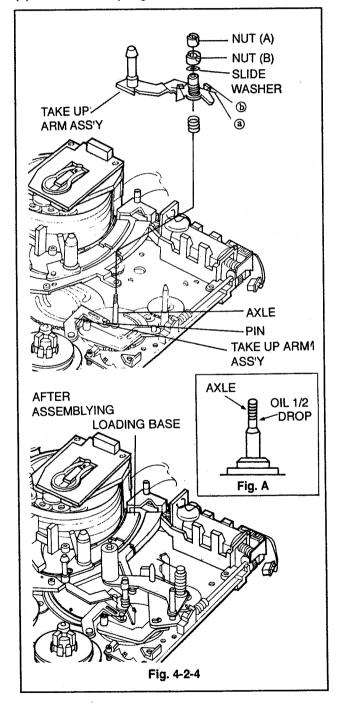
- Be careful the Nut is not to touch the Rubber Roller when reassembling the Pinch Arm Ass'y to Axle.
- Be careful the object material is not to stain the outer surface of Rubber Roller.



4. TAKE UP ARM ASS'Y

4-1. Disassembly (Fig. 4-2-4)

- (1) Set the Unit to the ULC Mode.
- (2) Remove Nut(A) by using the (-) Driver.
- (3) Remove Nut(B) by using the exclusive Driver.
- (4) Remove the Slide Washer.
- (5) Remove the Take Up Arm Ass'y. At this time, remove after the Spring Arm @ point is to be supported to the Vertical Bending part point of Take Up Arm Ass'y.
- (6) Remove the Spring.

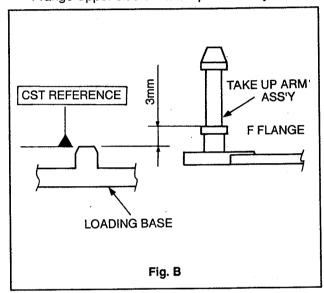


4-2. Reassembly (Fig. 4-2-4)

- (1) Apply the Oil 1/2 drop on the Axle.
- (2) Assembly the Compression Spring, Take Up Arm Ass'y, Slide Waher, Nut(B) and Nut(A) to the Axle.
- (3) Strain the Spring Arm (a) point of Take Up Arm Ass'y to the front to be stopped by sticking in the in side of Take Up Lever Ass'y Pin.

4-3. Take Up Arm Ass'y Height Adjustment

(1) Adjust to 3mm the height between the Cassette install standard side of Loading Base and the Frange Upper side of Take Up Arm Ass'y.



- Do not force the Spring Arm unreassembly during disassembly and reassembly, it may cause the transformation of spring.
- Readjust the Take Path after reassembly.

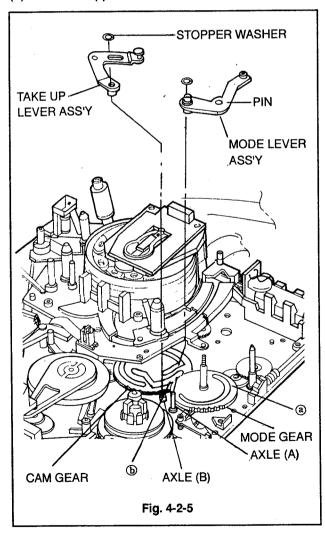
5. MODE LEVER ASS'Y and TAKE UP LEVER ASS'Y

5-1. Disassembly (Fig. 4-2-5)

- (1) Set the Unit to ULC Mode.
- (2) Remove the Stopper Washer and then remove the Mode Lever Ass'y.
- (3) Remove the Stopper Washer and then remove the Take Up Lever Ass'y.

5-2. Reassembly (Fig. 4-2-4, 4-2-5)

- Apply the Grease in the CAM trace (a) of Mode Gear.
- (2) Apply the Oil 1/2 drop to the Axle.
- (3) Stick the Mode Lever Ass'y pin in the CAM trace
 a of Mode Gear and then assemble the Mode Lever Ass'y to the Axle(A).
- (4) Set the Stopper Washer.
- (5) Apply the Oil 1/2 drop to the Axle(B).
- (6) Stick the Take Up Lever Ass'y pin in the CAM trace (b) of CAM Gear and then assemble the Take Up Lever Ass'y to the Axle.
- (7) Set the Stopper Washer.



6. SOFT BRAKE ASS'Y AND T/BAND PROTECT

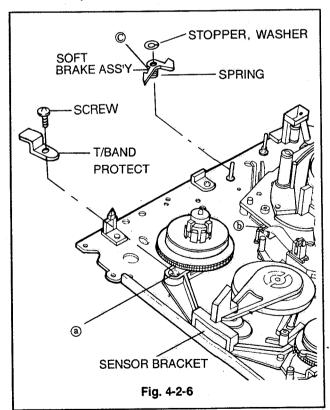
6-1. Disassembly (Fig. 4-2-6)

- (1) Set the Unit to the ULC Mode.
- (2) Hook the Spring Arm point © stuck in the Vertical Bending part point ⓑ on the Upper part of Chassis to the Spring hanger of Soft Brake Ass'y.
- (3) Remove the Stopper Washer and then remove the Soft Brake Ass'y.
- (4) Release the Screw and remove the T/Band Protect.

6-2. Reassembly

- (1) Stick the T/Band Protect in the Sensor Bracket point (a).
- (2) Set the Screw to point (a) using the (+) Driver.
- (3) Set the Soft Brake Ass'y to the Axle.
- (4) Set the Stopper Washer.
- (5) Assemble the Spring Arm point © stuck in the Soft Brake Ass'y supports the Vertical Bending part point ⓑ on the upper part of Chassis.

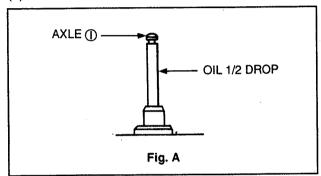
- Use the about 1.2kgf cm Torque to fix the T/Band Protect Set Screw.
- Do not force the Spring Arm © unreassembly, it may cause the transformation of Spring.
- During T/Band Protect assembling, be careful the Reel Ass'y Gear not to be denaged.

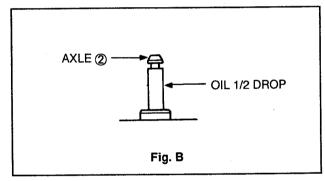


7. TENSION REGULATOR ASS'Y AND SLANT ROLLER ARM ASS'Y

7-1. Disassembly (Fig. 4-2-6, 4-2-7)

- (1) Set the Unit to the ULC Mode.
- (2) Hook the Spring Arm point (a) to the Spring Hanger point (e) of Slant Roller Arm Ass'y.
- (3) Remove the Stopper Washer and the remove the Slant Roller Arm Ass'y.
- (4) Remove the Spring Hook of Tension Regulator Ass'y from the Spring Hanger point © of Bracket.
- (5) Remove the Screw using the (+) Drive.
- (6) Remove the Stopper Washer and then remove the Tension Regulator Ass'y.
- (7) Remove the Slide Washer.





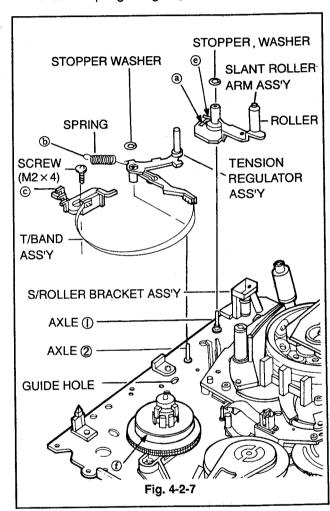
NOTES:

- Be careful so the Band is not to be distarted or folded and the Felt is not to be dirted by an object material during disassembly the Tension Regulator Ass'y.
- Be careful so the Roller surface is not to be dirted by an object material during disassembling the Slant Roller Arm Ass'y.

7-2. Reassembly (Fig. 4-2-7, 4-2-8)

- (1) Assemble the Slide Washer to the Axle 2.
- (2) Apply the Oil 1/2 drop to the Axle 2.
- (3) Assemble the Felt side of T/Band Ass'y with the point ① part of S-Reel Ass'y correctly by sticking the Tension Regulator Ass'y on the Axle.
- (4) Assemble the Bracket Guider boss of T/Band Ass'y to accord with the Guide Hole on the upper part of Mechanism Chassis, and then set the Screw.

- (5) Assemble the Stopper Washer on the Axle 2.
- (6) Put up the Spring Hook at the middle point of Bracket Spring Hanger ©.
- (7) Apply the Oil 1/2 drop to the Axle (1).
- (8) Assemble the Slant Roller Arm Ass'y on the Axle
- (9) Set the Stopper Washer to the Axle (1).
- (10) Adjust the position of Tension Regulator FWD.
- (11) Put up the Spring Hook (b) at the middle Claw of Bracket Spring Hanger (c) on the T/Band Ass'y.



- During assembling the Tension Regulator Ass'y, be careful the Band is not to be distorted or folded and the Felt is not to be dirted by an object material.
- Use the about 1.2kgf cm Torque to fix the Bracket Set Screw.
- During assembling the Slant Roller Arm Ass'y, be careful the Roller surface is not to be dirted by an object material.

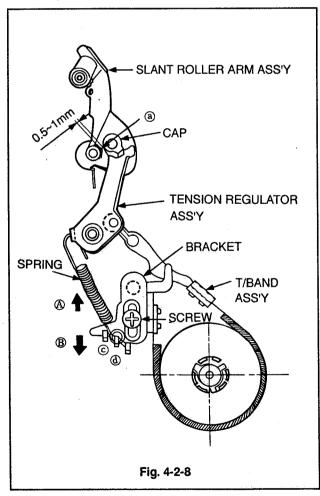
8. TENSION REGULATOR FWD POSI-TION AND BACK TENSION ADJUST-MENTS

8-1. FWD position Adjustment

- (1) Set the Unit to the FWD Mode after Loading a Cassette Tape. (Loading make)
- (2) Make Sure the gap between the edge of cap on the Tension Regulator Ass'y and the edge of Boss point (a) on the Slant Roller Arm Ass'y is 0.5~1mm.
 - If the gap is over the range, adjust the next step after ejecting the Cassette Tape.
- (3) Remove the Set Screw of the Bracket on the T/Band Ass'y.
- (4) If the measuring gap is farther than the range, draw the Bracket up to the Direction of arrow (A), and if the gap is nearer than the range, thrust the Bracket to the direct on of arrow (A), and then set the Screw.
- (5) Check the gap is in the range value by adjusting steps(1), (2) repeatedly.

NOTES:

Use a Cassette Tape wound about half.



8-2. Back Tension Adjustment (Fig. 4-2-8)

- (1) Load the Torque Cassette Tape in the Unit and set the Unit to Ope-Mode after step, adjustment. (Forward Play Mode).
- (2) Check the Back Tension Torque of the Supply side is in 6.5±2(gf cm).
- (3) Otherwise, adjust the Spring hanger position of Bracket as follows:
- (4) If the measurment value is more than the range, put the Spring Hook up to the Hanger ©, and if it is less than the range, put the Spring Hook up to the Hanger.
- (5) Make sure the Back Tension is in the range value by adjusting steps(1), (2) repeatedly.

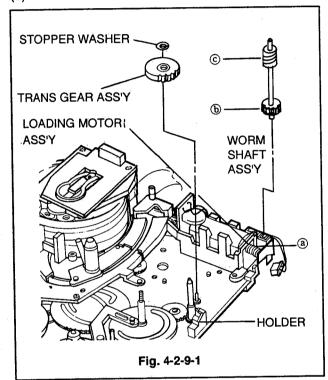
8-3. Reel Torque Checking

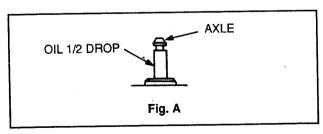
- (1) Load the Torque Cassette Tape in the Unit.
- (2) Set the Unit to FWD Mode and check the Torque on the T Reel Table is in 12.5±4gf cm.
- (3) Set the Unit to REV Mode and Check the Torque on the S Reel Table is in 12.5 ± 4gf cm.
- (4) Set the Unit REV Mode and Check the Torque on the T Reel Table is in 12.5 ± 4gf cm.
- (5) If each Torque Value is over the range, change the Reel table.

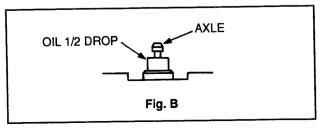
9. WORM GEAR ASS'Y MIDDLE GEAR, TRANS GEAR ASS'Y, LOADING MOTOR ASS'Y AND BRACKET ASS'Y

9-1. Disassembly (Fig. 4-2-9-1, 4-2-9-2)

- (1) Remove the Screw for removed the Loading Motor Ass'y (Fig. 2-9-2). At this time, the Worm Gear Ass'y is disassembled simultaneously with the Loading Motor Ass'y (a) and Worm Gear Ass'y (b) in gear together. (Fig. 4-2-9-1)
- (2) Remove the Loading Motor Ass'y and Worm SHAFT Ass'y. (Fig. 4-2-9-1)
- (3) Remove the Stopper Washer and remove the Trans Gear Ass'y.
- (4) Remove the Stopper Washer and remove the Middle Gear.
- (5) Release the Screw to remove the Bracket Ass'y.

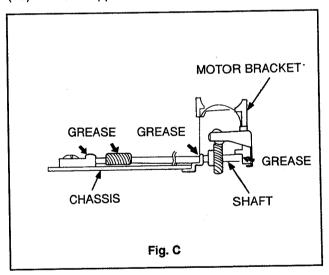






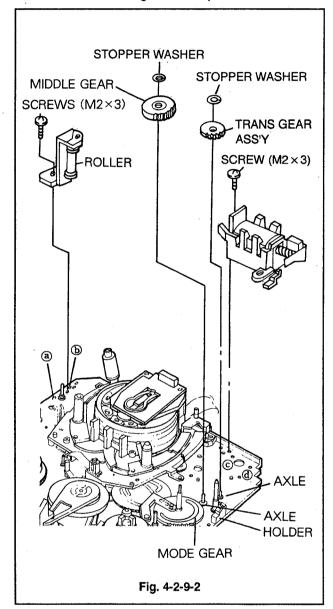
9-2. Reassembly (Fig. 4-2-9-2)

- (1) Assemble the Guide Bosses 2 points of Bracket Ass'y to accord with the Guide Holes "@" and "@" on the upper part of Mechanism Chassis, and then set the screw.
- (2) Apply the Oil 1/2 drop on the Axle.
- (3) Go in gear the Mode Gear with Middle Gear by sticking on the Axle.
- (4) Set the stopper Washer to the Axle.
- (5) Assemble the Guide Bosses 2 points on the Lower part of Loading Motor Ass'y to accord with the Guide Holes "©" and "@" on the upper part of Mechanism Chassis and then set the Screw.
- (6) After the Gear point ⑤ of Worm Gear Ass'y is to be toward below, stick it into the Gear ⑥ bottom of Loading Motor Ass'y, and fix the Shafe end tip is to be supported to the Loading Motor Bracket first tip, and then assemble the other side of Shaft by pushing from inside of Holder to outside.
- (7) Apply the GREASE on the parts. (Fig. C)
- (8) Apply the Oil 1/2 drop on the Axle.
- (9) Go in gear with the Middle Gear and Worm Gear Ass'y Gear © together by sticking the Trans Gear Ass'v on the Axle.
- (10) Set the Stopper Washer on the Axle.



NOTES:

- Do not in gear the Gears by force during disassembly/reassembly of Gear, bited each other.
- During assembling the Bracket Ass'y, be careful the Roller surface is not to be dirted by an object material.
- Use the about 1.2kgf cm Torque to fix the Screw.



10. LOADING BASE ASS'Y, MODE GEAR ASS'Y AND EJECT LEVER ASS'Y

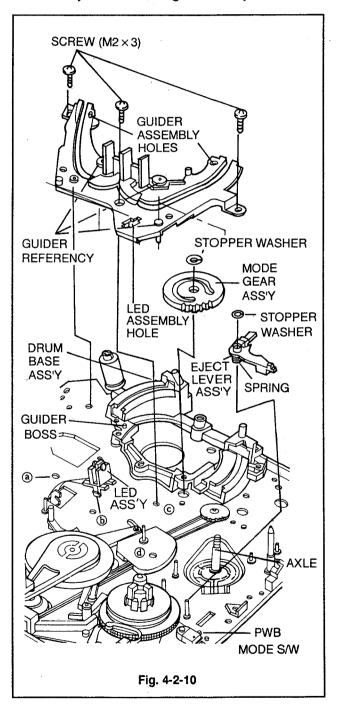
10-1. Disassembly (Fig. 4-2-10)

- (1) Remove the LED Ass'y from the Led assembly Hole of Loading Base Ass'y.
- (2) Remove 3 Screws and then remove the Loading Base Ass'y.

- (3) Release the Stopper Washer and remove the Mode Gear Ass'v.
- (4) Hook the Spring Arm point (a) of Eject Lever Ass'y by pushing to the front to the Spring Hanger of Eject Lever Ass'y.
- (5) Remove the Stopper Washer and then remove the Eject Lever Ass'y.

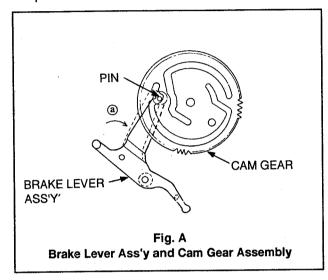
NOTES:

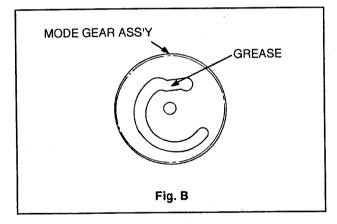
 Be careful the Led Ass'y Hook is not to danage during disassembly the LED Ass'y from the Led assembly Hole of Loading Base Ass'y.



10-2. Reassembly (Fig. 4-2-10)

- (1) Fix the Guide Basic 4 pins of Loading Basse Ass'y to the refuge holes "@ ", "@", "@" and "@" formed on the upper part of Mechanism Chassis. Stick the Pin into the Gear trace of outer Cam formed on the Cam Gear by pushing the Brake Lever Ass'y slightly in the direction of arrow, and then stick the Guide Basic 4 Pins of Loading Base Ass'y fast to Guide 2 Holes by pressing from above to below. (Fig. A)
- (2) Set 3 Screws to "T1", "T2" and "T3" on the upper part of Mechanism Chassis.

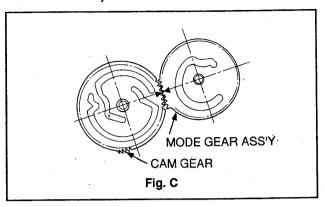


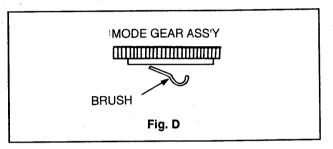


- (3) Assemble the Eject Lever Ass'y on the Axle, and Set the Stopper Washer on it.
- (4) Wipe the surface of PWB Mode S/W with the cotton stick with the cleanser.
- (5) After the cleanser is dried completely, Apply the Grease to the point of contact evenly and thinly.
- (6) Apply the Grease on the Mode Gear Ass'y Cam formative parts.
- (7) Go in gear the Cam Gear with the Mode Gear Ass'y by sticking on the Axle. (Fig. C)

(Assembly Method)

Go in gear with together so the intaglioed arrow edge to accord on the line connected to the middle of Mode Gear Ass'y and the middle of Cam Gear.





(8) Set the Stopper Washer on the Axle.

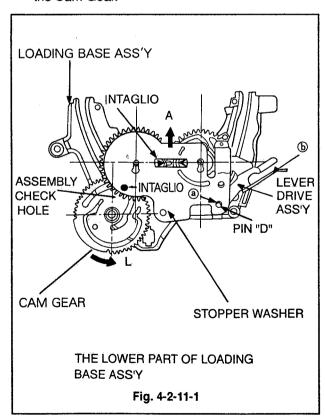
- (9) Push the Spring Arm point @ of Eject Lever Ass'y from the Spring hanger to below to be supported to the sidewall of CST S/W.
- (10) Apply the Grease on the deviant lines of Loading Base Ass'y (Fig. 4-2-11).
- (11) Stick the Led Ass'y into the Led Ass'y Hold of Loading Bass Ass'y.

- Use the about 1.2kgf mm Torque to set 3 Screws.
- Do not force unreasonably, during disassembly and reassembly it may cause the transformation of Gear.
- Be careful so the Roller(S), (T) is not to be dirted by an object material.
- Take the Led Ass'y Hook and Loading Base Ass'y not to be transformed during assembling the Led Ass'y to the Led Ass'y Hole of Loading Base Ass'y.
- Be careful so the Brush on the Lower part is not to be transformed during handling the Mode Gear Ass'y (Fig. D).
- Do not gear in the Mode Gear Ass'y and Cam Gear by force during assembling, the Gear parts may get damaged.
- Take the Spring Arm (a) of Eject Lever Ass'y not to be transformed by force.

11. GEAR LOADING ASS'Y(S), (T), SLANT BASE ASS'Y(S), (T), CAM GEAR AND LEVER DRIVE ASS'Y

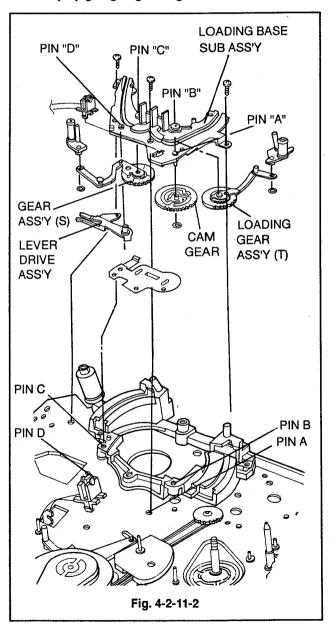
11-1. Disassembly (Fig. 4-2-11-1, 4-2-11-2)

- (1) Turn the Loading Base Ass'y over, and remove the part ⓐ of stopper Plate from Pin "D" by raising and then remove the Stopper Plate by Pushing and raising to "A" direction (to above). (Fig. 4-2-11-1)
- (2) Remove the Lever Drive Ass'y from Pin "D" on the Loading Base Sub Ass'y.
- (3) Turn the Cam Gear to the "L"direction to stop the rotating. At this time the Slant Base Ass'y(S), (T) also move forward because the Loading Gear Ass'y(S), (T) is rotated (Fig. 4-2-11-3).
- (4) Remove the Loading Gear Ass'y(S) and Slant Base Ass'y(S) from the pin "C" on the Loading Base Sub Ass'y.
- (5) Remove the Stopper Washer of Loading Gear Ass'y and disassemble the Slant Base Ass'y(S).
- (6) Remove the Loading Gear Ass'y(T) and and Slant Base Ass'y(T) from the pin "B" on the Loading Base Sub Ass'y.
- (7) Remove the Stopper Washer of Loading Gear Ass'y(T) and disassemble the Slant Base Ass'y (T).
- (8) Remove the Stopper Washer from the pin "A" on the Loading Base Sub Ass'y and disassemble the Cam Gear.



11-2. Reassembly (Fig. 4-2-11-1, 4-2-11-2)

- (1) Apply the Oil 1/2 drop on the pin "A" of Loading Base Sub Ass'y. (Fig. 4-2-11-2)
- (2) Apply the Grease on the deviant lines of Cam Gear. (Fig. A)
- (3) Stick the Cam Gear in the pin "A" of Loading Base Sub Ass'y adn then set the Stopper Washer.
- (4) Stick the Slant Base Ass'y(T) and the set theStopper Washer.
- (5) Assemble the Cam Gear and Loadiling Gear Ass'y by going in gear together.

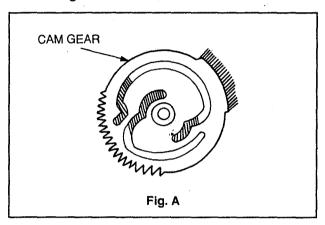


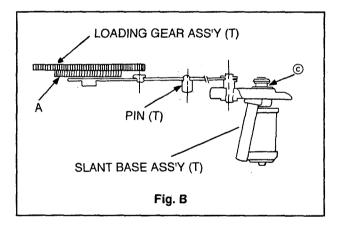
(Assembly Method)

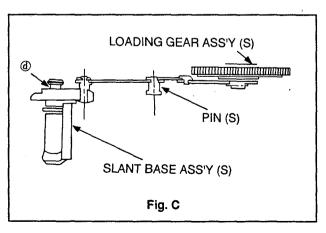
Apply the Oil 1/2 drop to the Pin "B". Accord the "assembly basic Hole", on the part unformed the teeth pattern by turning the Cam Gear, with the Guider Hole "E" forned on the Loading Base Sub Ass'v.

Fix the Loading Gear Ass'y(T) in the Pin "B". Accord the Guider Hole "F" in the center of cam Gear and Loading Cam Gear.

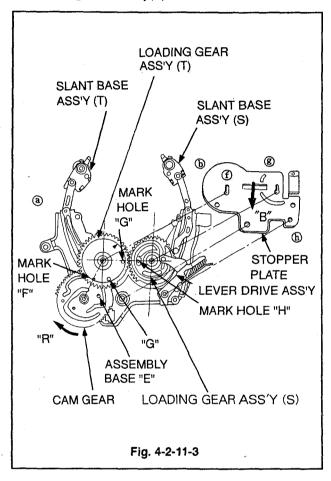
In the state, fix the little Gear(A) Teeth in the Cam Gear by pushing the Loading Gear Ass'y(T) from the Upside to the lower. (Fig. 2-11-3). And Check the Guider Hole "G" of Loading Gear Ass'y(T) is placed in the straight line between Pin "B" and Pin "C".







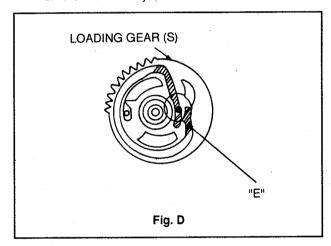
- (6) Stick the Pin "T" head of Loading Gear Ass'y(T) in the Guide Way "A" of Loading Base Sub Ass'y. (Fig. 4-2-11-3)
- (7) Stick the Slant Base Ass'y(S) in the Lever Hold of Loading Gear Ass'y(S) and Set the Stopper Washer. (Fig. 4-2-11-2)
- (8) Apply the Oil 1/2 drop in the Pin "C" of Loading Base Sub Ass'y. (Fig. 4-2-11-2). Go in gear the teeth of Loading Gear Ass'y(S) with the teeth of Loading Gear Ass'y(T).



(Assembly Method)

Fix the Loading Gear Ass'y(S) in the Pin "C" and check the Guide Hole "H" is placed in the straight line between Pin "B" and Pin "C", After Assembly, Pin "B", Guider Hole "G", Guider Hole "H" and Pin "C" are placed on the straight line. (Fig. 4-2-11-3)

- (9) Stick the Pin(S) Head of Loading Gear Ass'y(S) in the Guide Way "B" of Loading Base Sub Ass'y. (Fig. 4-2-11-3)
- (10) Rotate the Cam Gear to the direction of "R"
 Stick the part "C" of Slant Base Ass'y(T) and
 part "D" of Slant Base Ass'y(S) in the Guide
 Way "A" and "B" of Loading Base Sub Ass'y
 and then rotate the Cam Gear to the direction of
 "R" until the rotaty is stopped.
- (11) Apply the Grease on the deviant Lines of Cam trace formed on the Gear. (Fig. D)
- (12) Apply the Oil 1/2 drop in the Pin "D" of Loading Base Sub Ass'y. (Fig. 4-2-11-3)
- (13) During sticking the Lever Drive Ass'y in the Pin "D" of Loading Base Sub Ass'y, stick the Pin "L" of Lever Drive Ass'y in the inside of Cam trace on the Loading Gear(S). (Fig. D, part "E")
- (14) Apply the Grease on the deviant Lines of Lever Drive Ass'y. (Fig. 4-2-11-3)
- (15) Set the Stopper Plate
- (16) Turn the Loading Base Ass'y over, and apply the Grease to the deviant lines of the upper part on the Guide Way.



(CHECKING) (Fig. 4-2-11-1)

- Check the Vertical hem of Loading Gear Ass'y(T) negative mark "D" and Loading Gear Ass'y(S) positive mark " " are accorded with each other.
- Check the stopper Plate Guider Hole "I" and Loading Gear Ass'y(T) negative mark "G" are accorded with each other.
- During the checking, if the wrong result is found, adjust the steps above again.

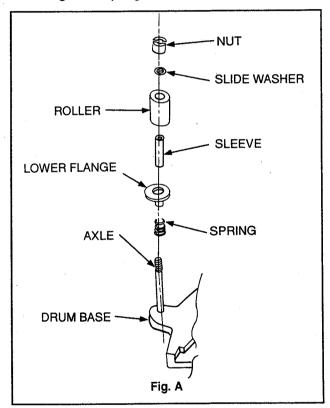
NOTES:

- During the Gears assembly, be careful of the Teeth of Gears get demaged by force.
- Do not force them umreasonably to disassembly and assembly.
- During the Slant and Base Ass'y(C), (T) disassembly and assembly, be careful of the obstruction adhere to the Roller and Post.

12. DRUM BASE ASS'Y AND INERTIA ROLLER ASS'Y

12-1. Disassembly (Fig. 4-2-12) (Fig. A)

- (1) Remove 3 Screws and ever remove Drum Base Ass'v.
- (2) Remove the Nut.
- (3) Remove the Slide Washer, Roller, Sleeve, Lower Flange and Spring.

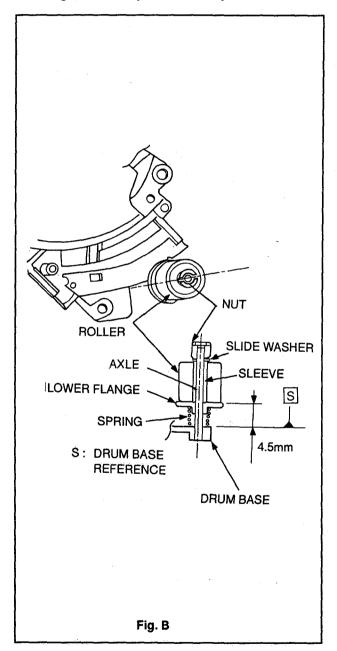


12-2. Reassembly (Fig. 4-2-12) (Fig. A)

- (1) Install the Spring, Lower Flange, Sleeve, Roller and Slide Washer on the Axle of Drum Base.
- (2) Fix the Axle by rotating the Nut four or six times.
- (3) Stick the Guide Bosses 2 point of Drum Base Ass'y in the Boss refuge Holes on the upper part of the Mechanism Chassis from above to below.
- (4) Set 3 Screws to fix the Drum Base Ass'y.

NOTES

- Use the about 2kgf cm Torque to set Screw.
- Be careful so the Roller surface is not to be dirted during disassembly and assembly.

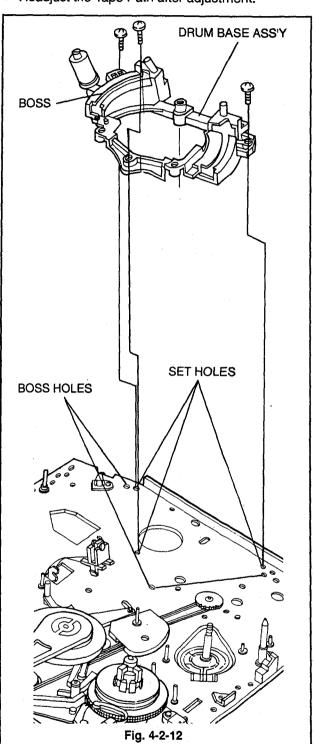


12-3. Roller Height Adjustment (Fig. B)

(1) Adjust the height of Drum Base Lower Side and Lower Frange upper Side by rotating the Nut.

NOTE:

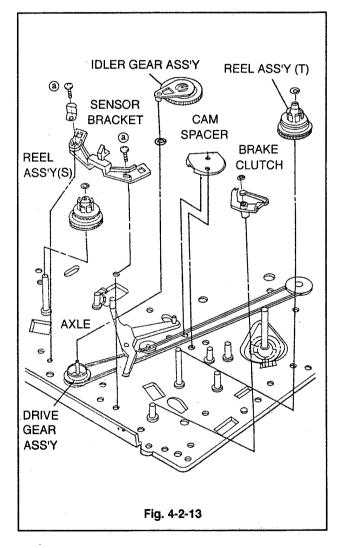
· Readjust the Tape Path after adjustment.



13. BRAKE CLUTCH, REEL ASS'Y(S), REEL ASS'Y(T), SENSOR BRACKET, IDLER GEAR ASS'Y AND CAM SPACER

13-1. Disassembly (Fig. 4-2-13)

- (1) Remove the Stopper Washer and remove the Brake Clutch.
- (2) Remove the Stopper Washer and remove the Slide Washer after disassembly the Reel Ass'y (T).
- (3) Remove the Reel Ass'y(S) and then remove the Slide Washer.
- (4) Remove the Screw (a) and Sensor Bracket.
- (5) Disassemble the Idler Gear Ass'y and remove Slide Washer.
- (6) Remove the Cam spacer.

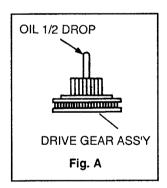


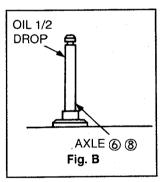
13-2. Reassembly (Fig. 4-2-13)

(1) Stick the Guide Bosses 2 point of Cam Spacer in the Guider Bosses 2 point on the upper part of the Mechanism Chassis in the bottom of the Chassis by pushing from above to helow. (2) Stick the Slide Washer on the Axle and then apply the Oil 1/2 drop and assemble the Idler Gear Ass'y on the Axle. (Flg. A). During assembling the Idler Gear Ass'y, go in gear the idler Gear teeth with Gear teeth on the

upper part of Drive Gear Ass'y.

- (3) Stick the Guide Boss 2 point of Sensor Bracket in the Guide Holes 2 point on the upper part of Mechanism Chassis and set right part with Screw.
- (4) Push the Spring Arm (a) of Brake Reel Ass'y to be supported to the side wall of Sensor Bracket.
- (5) Stick the Slide Washer on the Axle and apply the Oil 1/2 drop to the Axle and assemble the Reel Ass'y (S). (Fig. B)
- (6) Stick the Slide Washer on the Axle and apply the Oil 1/2 drop to the Axle and assemble the Reel Ass'y(T). (Fig. B)
- ⇒ Assemble the Reel Ass'y(T) carefully and go in gear the Brake Reel Ass'y teeth with Reel Ass'y (T) teeth by rotating the Lever Brake Ass'y to the direction of "R".
- (7) Set the Stopper Washer on the Axle.
- (8) Set the Brake Clutch and then the Stopper Washer on the Axle.
- ⇒ Assemble the bow of Brake Clutch to be Supported to the Side wall of Reel Ass'y(T).





- Be careful so the bow of Brake Clutch is not to be transformed.
- Do not enguage with the Gears by forces, because the Idler Gear is easy to get demaged during the Idler Gear Ass'y.
- Be careful so the teeth is not to get demaged during assembling the Brake Reel Ass'y and Reel Ass'y(T).
- Do not force the Spring Arm unreafonably during the disassembly and reassembly of Spring Arm on the Brake Reel Ass'y, it may cause the transformation of Spring.
- Use the about 1.2kgf cm Torque to set Screw.

14. BRAKE REEL ASS'Y, LEVER BRAKE ASS'Y, TIMING BELT, IDLER BELT, DRIVE GEAR ASS'Y, CONVERSION GEAR ASS'Y

14-1. Disassembly (Fig. 4-2-14)

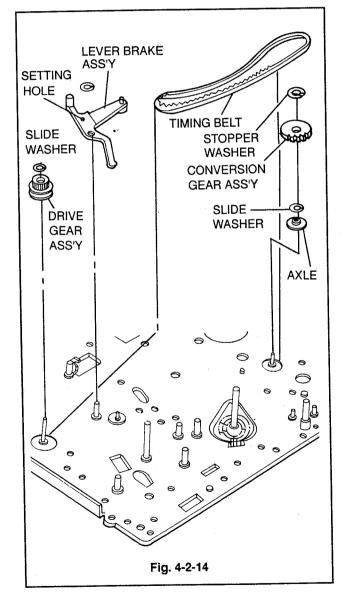
(1) Remove the Stopper Washer and remove the Brake Reel Ass'y.

(2) Remove the Timing Belt. Release the Timing Belt stuck in the Idler Belt and then remove the Timing Belt from the Drive Gear Ass'y.

(3) Loosen the Stopper Washer, and remove the Idler Belt and Slide Washer.

(4) Remove the Drive Gear Ass'y and Slide Washer on the Axle.

(5) Loosen the Stopper Washer, and remove the Conversion Gear Ass'y and Slide Washer.



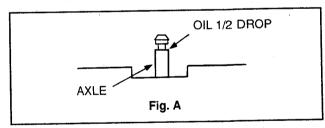
14-2. Reaseembly (Fig. 4-2-14)

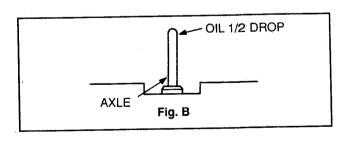
(1) Stick the slide washer on the Axle and apply the oil 1/2 drop on the Axle. (Fig A)

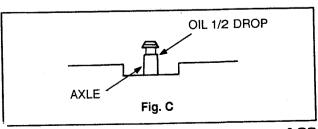
- (2) Assemble the conversion Gear Ass'y on the Axle and set the stop washer.
- (3) Assemble the slide wahser on the Axle and apply the oil 1/2 drop on the Axle. (Fig B)
- (4) Assemble the Grive Gear Ass'y on the Axle.
- (5) Stick the Idler Belt on the Axle and apply the oil 1/2 drop on the Axle.
- (6) Assemble the Idler Belt on the Axle and set the stopper wahser.
- (7) Assemble the Timing Belt. Hook the Timing Belt on the lower Gear of Conversion Gear Ass'y and assemble the vertical port(no teeth part) on the lower teeth part of Drive Gear Ass'y by hooking on the vertical part of IdlerBelt. (Fig. 4-2-13) Apply the oil on the teeth of Timing Belt.
- (8) Assemble the Lever Brake Ass'y on the Axle and set the stopper washer, and then fit the Guider Hole to the cognition hole by rotating the Lever Brake Ass'y.
- (9) Stick the Lever Brake, on the Axle and set the Stopper Washer, At this time, assemble so the part "B" on the Lever Brake Ass'y is to be inserted in the Mouth part "A" on the Brake Reel Ass'y. (Fig. 4-2-13)

NOTE

Do not force to be transformed unreasonably during the Timing Belt disassembly/assembly.







15. DRUM ASS'Y DISASSEMBLY

15-1. Disassembly

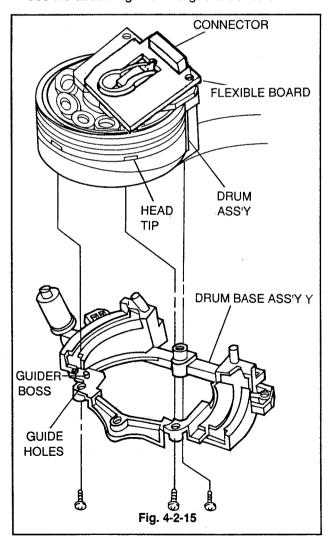
- (1) Set the Unit to the ULC Mode (Unloading mode).
- (2) Remove the Flexible Board and connector,
- (3) Loosen the 3 screws on the Lower part of Chassis and remove the Drum Ass'y from the Drum Base Ass'y.

15-2. Reassembly

- (1) Fit 2 Guider Bosses formed on the Drum Base Ass'y with the Guider refuge Holde on the Lower part of Drum Ass'y, and then set the Drum Ass'y with 3 screws through the Guide Hole of Drum Base Ass'y on the Lower Part of chassis.
- (2) Link the connector to the Flexible Board.

NOTES:

- During the Flexible Board and connector disassembly/assembly, be careful to the Line Cutting or transformation.
- · Do not touch the Head Tip.
- · Readjust the Tape path of ter assembly.
- Use the about 2kgf cm Torque to set screw.



16. DRUM DISASSEMBLY

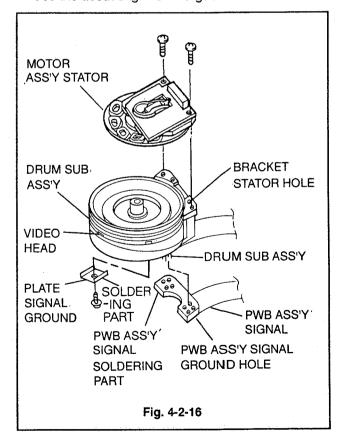
16-1. Disassembly

- (1) Loosen 2Screws on the upper part of Drum Ass'y and remove the Motor Ass'y stator.
- (2) Remove the lead from the soldering part on the Lower part of Drum Ass'y, and remove the Plate Signal by loosening 1 Screw.
- (3) Remove the lead from the PWB Ass'y signal soldering part on the Lower part of Drum Ass'y and remove PWB Ass'y signal.

16-2. Reassembly

- (1) Assemble the Drum to fit the PWB Ass'y signal Hole and the Drum Sub Ass'y pin properly, and solder on the soldering part of PWB Ass'y signal.
- (2) Assemble the Plate Signal Ground on the Drum Sub Ass'y with 1 screw, an then Solder on the soldery part of Plate signal Ground.
- (3) Assemble the Motor Ass'y Stator in the Bracket Stator Hole with 2 screws on the upper part of Drum Sub Ass'y.

- During the parts assembly, do not scratch on the surface of Drum.
- Be careful so the Video Head is not to be damaged.
- Solder carefully after assembling the PWB Ass'y Signal.
- Use the about 2kgf cm Torque to set screw.



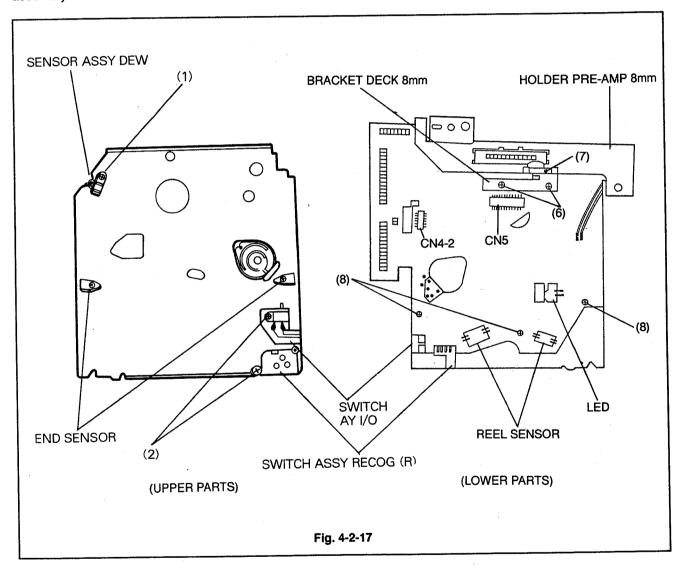
17. PCB ASS'Y DECK

17-1. Disasembly

- (1) Remove 1 screw (4) and 1 screws (5) on the upper parts of chassis.
- (2) Remove the Holder PRE-AMP 8 mm, BRACKET DECK 8mm after release, screw (6) and screw (7).
- (3) Remove 3 screw (8) and remove the solder of Mode switch, LED.
- (4) Remove the PCB ASS'Y DECK JUNTION.

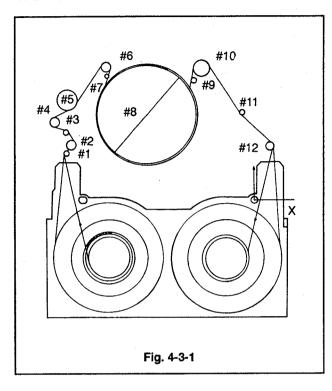
17-2. Reassembly

Perform the reassembly to the reverse order of assembly above.



DECK MECHANISM ADJUSTMENT

1. DECK LOADING SYSTEM LAY-OUT



#1: TENSION POST (@2)

#2: GUIDE ROLLER (N) (4)

#3: SLANT POST (2)

#4: GUIDE ROLLER (4)

#5: INERTIA ROLLER (=P1) (@ 8)

#6 : GUIDE ROLLER (S) (=P2) (• 4)

#7: SLANT POST (S) (\$\varphi\$2)

#8: DRUM (#40)

#9: SLANT POST (T) (#2)

#10: GUIDE ROLLER (T) (=P3) (\$\varphi\$6)

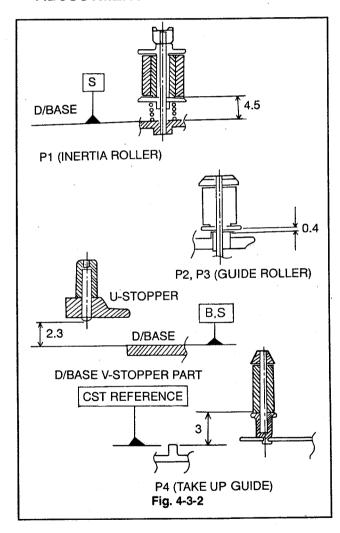
#11: CAPSTAN (# 1.995)

#12 : TAKE UP GUIDE (=P4) (@ 3)

2. PREPARATIONS

- 1 Cleaning water.
- 2 Chanois cloth.
- (3) Cotton stick
- (4) Dental mirror.
- (5) Torgue CST Tape, Alignment Tape and PLAY/RECORDING Tape.
- (6) Hexagonal Wrench(0.89mm) or L-Wrench.
- ⑦ Small(-) Driver⇒P1, P4 Adjustment.
- (8) Loading adjustment stick⇒P2, P3, P4 adjustment.
- Oircuit jig for Deck adjustment.

3. LOADING POST FIRST HEIGHT ADJUSTMENT



4. TENTION ARM POSITION AND **BACK TENTION ADJUSTMENT**

4-1. Tension Arm position Adjustment

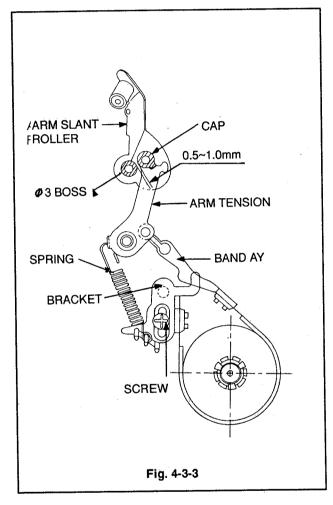
(1) Set the Deck mechanism to the Ope-Mode in No Tape state ⇒using the Circuit Fixture.

(2) Check the gab between #3 Boss of Arm Slant Roller and Cap of Arm Tension is 0.5~1.0 mm. If the gab is over the range, adjust as follows.

(3) Remove the screw on the Bracket fixing the Band Ass'y.

(4) Set the Bracket to the desired position by

pushing to the direction of A or B and then set the screw.



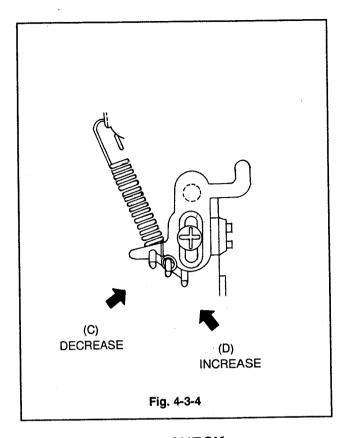
4-2. Back Tension Adjustment

(1) After step 4-1 Adjustment, insert the Torgue CST Tape in the Unit and set to the Ope-Mode.

(2) Check the Back Tension Torgue of Supply side is in 6.5 ± 2 (gf-cm).

(3) If the measuring value is more than the range, hook the spring of Bracket to (c), and if the value is less than hook to (D).

(4) Check the Back Tension is in the range by performing the Step 1) and 2) repeatedly.



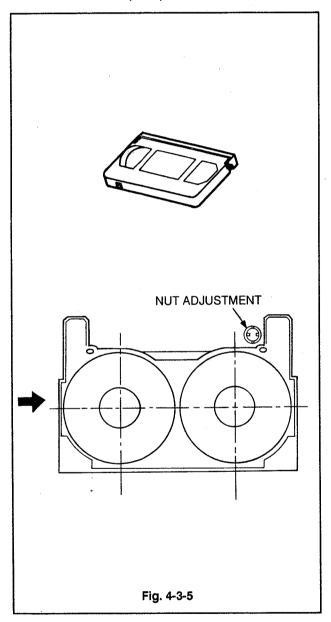
1-5. REEL TORQUE CHECK

Inset the Torque CST Tape in the unit and check the spec as follows;

MODE	UNIT	SPEC	REMARKS
OPC CUE	ar · cm	12.5±4	At T/up Reel
REVERSE	gr · cm	35±6	At Supply Reel
REVIEW	·	12.5±4	At T/up Reel

6. TAPE PATH ADJUSTMENT

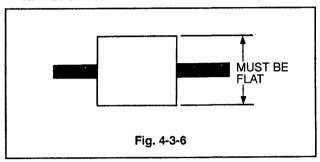
The 8mm Video can control the Tape speed instantaneously using the pilot signal, and adjusst very correctly using the ATF(Automatic Track Finding) method, so the adjustment by Tracking control knob is not need. But in case of ATF method, the Tape Path adjustment is difficult. That is, the perfect adjustment is difficult through the ATF method, because it compensates the Head Tracking Error to extent. Therefore, select the Track shift Mode for is possible and the Tracking control is easy. NOTE for P4 Guide (#12).



6-1. Adjustment preparation

- (1) Wipe the Tape path. (Tape Guides, Drum, Capstan Shaft, Pinch Rollor)
- (2) Set the oiscilloscope for the Waveform Output.
- (3) Play Back the alignment Tape for Tracking control.
- (4) Chck the RF Waveform of Oscilloscope in the Entrance/Exit is flat Otherwise, adjust as follows;

WAVEFORM



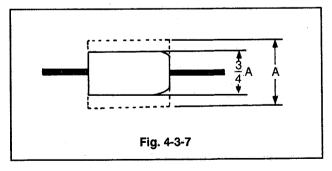
6-2. Tracking Control

- (1) Playback the Aligment Tape for Tacking contrl.
- (2) Using the Running Control stick, rotate the P2-Guide so the waveform of entrance side is to be flatted.
- (3) Using the Running control stick, ortate the P3-Guide so the waveform of exit side is to be flatted.

6-3. Tracking Fine Adjustment

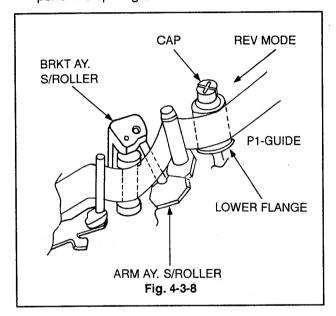
- (1) Playback the Alignment Tape for Tracking control and set the unit to the Track shift mode.
- (2) Check the waveform is flat. Otherwise, roate the P2-Guide and P3-Guide so it is to be flatted.
- (3) Set the Lock screw of P2 side using the Hexaponal Wrench 4 L-Wrench, etc. At this time, check the entrance of waveform is not change.
- (4) Set the Lock Screw in the P3 side using the hexaponal Wrench 4 L-Wrench, etc. At this time, check the exit side of waveform is not changed.

* WAVEFORM



6-4. P1-Guide (Inertia Roller) Adjustment

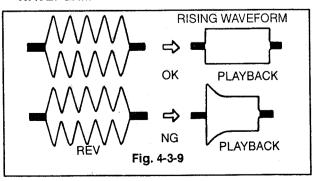
- (1) Playback the P6-120MP Tape, and then set the unit to REV Mode.
- (2) Check the distortion is occurred in the Lower Flange of P1-Guide. If it appears, bring the Cap of P1-Guide a lower by rotating it to the clockwise with the driver until the tape is flatted.
- (3) Playback the Alignment tape for the Tracking control.
- (4) Perform the Tracking Control and Tracking Fine Control.
- (5) In the Track Shift state, playback the tape again after CUE/REV. At this time, check the RF Waveform is stabled horizontality in 2secs.
- (6) If not, rotate the cap of P1-Guide to an angle of 90 degrees of counter-clockwise and then perform step 5 again.



NOTES:

- (1) Repeat Step(5),(6) until the normal waveform ranged is become. At this time, if the RF waveform is changed, perform the Track Fine adjustment of Entrance side and then repeat step(5) again.
- ② Druing FF/REW Mode, check the Curl or Tape Jam are occurred on the #4 Guide Roller Upper/Lower Flange of Bracket AY, S/Roller.

WAVEFORM

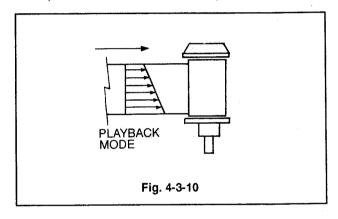


6-5. P4-Guide(T/Up Guide) Adjustment

- (1) Playback the Alignment Tape for Tracking control and set the unit to the REV-Mode.
- (2) Check the Tape transformation is not occurred between the P3-Guide and Capstan Shaft. If it occurrs, rotate the P4-Guide Height Adjustment Cap until the Tape transformation is ridded.
- (3) Set the unit to the playback Mode, and then check the Tape transformation is not occurred between the Capstan shaft and P4-Guide(within 0.5mm) If the Tape transformation is more than 0.4mm, adjust the P4-Guide Height unil it is become within 0.5mm.

NOTES:

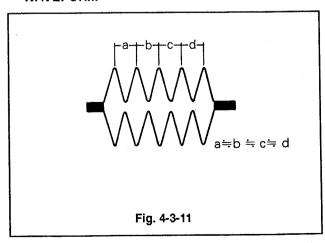
- When the unit is set to the REV*Mode. it is good adjustment that the transformation between P3-Guide and Capstan Shaft is appeard within 0.
- The Upper/Lower Tape Tension distribution in the P2,P3-Guide must be as follows;



6-6. CUE/REV Waveform check

- (1) Playback the Alignment Tape for Tracking control and then set the unit to the REV Mode. Check the top of each waveform is sustained with the regular width of 5 or more than 5. Otherwise, perform Item 6-3.
- (2) Set the unit to the CUE-Mode. Check otherwise, perform Item 6-3.

* WAVEFORM

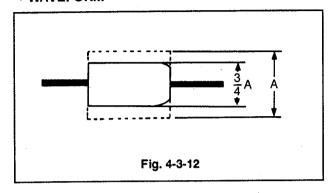


6-7. Check after Adjustment

(1) Tracking Check

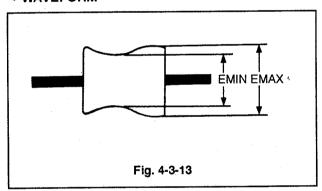
1) Check the width of RF Wavefrom is reduced to about 3/4 when do the unit set to the Track Shift position.

WAVEFORM



 Check the Minimum width (Emin) is the 65% of Maximum Width (Emax) or more than 65%.

• WAVEFORM

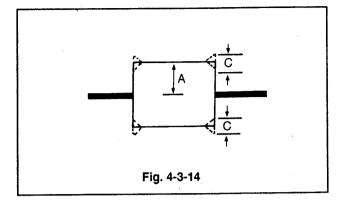


3) Check the Waveform is not changed greatly.

(2) Rising Check

1) Playback an Alignment Tape for Tracking Control.

WAVEFORM



2) Release the Tracking Shift State.

3) Unload the tape and load again.

4) Set the Unit to the PLAY mode and check the RF Waveform is stabilized within 2 Secs, horizontally, Also, check the tape is distorted around the Pinch Roller.

5) Set the Unit to the CUE/REV and FF/REW modes and then playing back again, check the RF Waveform is stabilized within 2 Secs, horizontally, Also, check the tape is distorted around the Pinch Roller.

6) Check the process from 3) to 5) repeatedly.

(3) TAPE PATH Adjustment

1) Playback the P6-120MP (NTSC) or P5-90MP (PAL) Cassette Tape.

Check the Tape gets on or the Tape folded state is within 0.3mm in the following flanges;

① Upper and Lower Flange of #2 Guide.

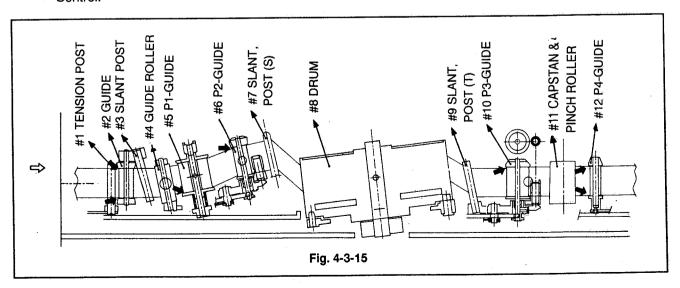
2 Lower Flange of #5 P1-Guide

(3) Upper Flange of #6 P2-Guide

4 Upper Flange of #10 P3-Guide

⑤ Upper and Lower Flange of #12 P4-Guide

2) During Playback Mode, press the FF key to set CUE Mode or press the REW key to set REV Mode, and at this time, check the Tape gets on or the Tape folded state is within 0. 3mm in the following flages.



SECTION 5 REPLACEMENT PARTS LIST

1. Mechanical Section

1-1. VHS Mechanism

RUN DATE: 95.09.26
NSP: Not Service Part

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
				ASSEMBLY PARTS SE	ECTION	<u> </u>
		A00	412-127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	
	OR	A00	412C127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	
	OR	A00	412G127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	
, ,	OR	A00	412H127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	1
	OR	A00	412W127C	DECK	ASSY D-17'S (7HD SI VCR PAL)	
		A01	413-184D	DRUM	ASSY (D17-7CH PAL) DD2	1
		A02	386-296C	ARM	ASSY CL	
	OR		311-005G	CHASSIS ASSY'	D17	NSP
1	Ì	A03	311-005M	CHASSIS ASSY'	D17	NSP
		A04	456-048A	REEL	ASSY SUPPLY POM 7G	
	J	A05	456-045A	REEL	ASSY T/UP POM 7G	
	1	A06	321-397D	BRACKET	ASSY F/R	ł
- 1	1	A07	225-228A	BASE	ASSY A/C	<i>'</i>
1	OR	A08	225-248A	BASE	ASSY,P2	}
- 1	1	A08	225-248B	BASE	ASSY P2 (W-W)	
	OR	A09	225-249A	BASE	ASSY,P3	
-		A09	225-249B	BASE	ASSY P3 (W-W)	Í
J	j	A10	414-104A	MOTOR	ASSY LOAD	· ·
Ì	l	A11	333-209E	LEVER	ASSY PINCH	
		A20	321-401A	BRACKET	ASSY BOTTOM	}
- 1	ľ	A21	333-208A	LEVER	ASSY RAT	
ı	ı	A22	338-078A	BRAKE	ASSY CAP	
		A23	386-218A	ARM	ASSY LOAD(R)	
	-	A24	386-219A	ARM	ASSY LOAD(L)	
	Į	A25	511-997D	PWB ASSY!	D-17,VCR	
	orj	A30	219-017F	HOUSING	ASSY (D17)	
		A30	219-017L	HOUSING	ASSY (D17)	
		A32	435-257B	GEAR	ASSY DRIVE (HOOK ADDED)	}
		A33	321-406A	BRACKET	ASSY CARRIER	
		A34	321-441A	BRACKET	ASSY SIDE	•
		A35	515-106B	PWB ASSY!	SENSOR	
		1		PARTS SECTION	<u> </u>	<u> </u>
_		001	A12 100D		T	T .
	1	001	413-182D	DRUM	ASSY UPPER (D-17 7CH PAL)	
		002	413-183A	DRUM	ASSY LOWER (7CH)	
			225-231B	BASE	ASSY D-BRUSH	
	OR OR	006	225-220A	BASE	DRUM	NSP
ľ	UH.	006	225-220C	BASE	DRUM (Y-H)	NSP
ł	ł	006	225-296A	BASE	ASSY DRUM (HI-FI)	NSP
		007	386-297A	ARM	SUB ASSY CU	,
	}	008 010	442-460B	SPRING	CU	
	J		386-295B	ARM	CL	
	Į	012	384-071A	GUIDE	17	1
	ᆔ	013	523-082B	HEAD	FE,HVFHF0010AK	
	OR	1	523-824A	HEAD	F.E MH-131G (D-17)	
1	ł	014	378-017A	SLEEVE	P1	
	OR	015 015	434-178A	ROLLER	P1	
	VΠ	010	434-178B	ROLLER	P1	1

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		016	389-003B	ADJUST	P(4)	
	ĺ	017	434-244A	ROLLER	ASSY INERTIA	NSP
		018	386-205A	ARM	ASSY TENSION	
	- 1	019	442-331C	SPRING	TENSION	
		020	328-052B	BAND	ASSY TENSION	
1		021	334-066A	STOPPER	P1	
1		027	435-243A	GEAR	IDLE A POM 3G	
l		027	435-244A	GEAR	IDLE B POM 3G	
- 1					T17	NSP
	- 1	029	456-040A	REEL		NSP
		030	442-341A	SPRING	REEL	NSP
1	- 1	031	276-068A	CAP	REEL	1
		032	456-039A	REEL	\$17	NSP
		036	435-240A	GEAR	F/R POM 3G	
	}	037	442-336A	SPRING	UP/D	NSP
		038	435-239A	GEAR	UP/D POM 3G	NSP
		040	333-201B	LEVER	ASSY F/R	NSP
		044	442-338B	SPRING	SSB	NSP
	ı	045	338-081A	BRAKE	S-SOFT	NSP.
		046	442-337A	SPRING	SMB	NSP
		047	338-080A	BRAKE	ASSY S-MAIN	NSP
		048	442-339D	SPRING	TSB	NSP
		049	338-083A	BRAKE	ASSY T-SOFT	NSP
	ŀ	050	321-396A	BRACKET	SUB ASSY F/R	NSP
		050	i	ADJUST	X-ASSY	1101
			389-013A		P4	
l		056	378-018A	SLEEVE	1	
1		060	442-343A	SPRING	T/UP	
	1	061	386-387B	ARM	ASSY T/UP	
		065	442-332A	SPRING	A/C	
		066	225-219A	BASE	SUB ASSY A/C	NSP
		068	523-089A	HEAD	SUB ASSY A/C	
		069	442-362A	SPRING	AZIMUTH	
		070	338-085A	BRAKE	ASSY T-MAIN	
		071	442-344A	SPRING	TMB	
		074	434-173A	ROLLER	ASSY GUIDE	
	OR	074	434-173C	ROLLER	ASSY GUIDE	
		075	353-054B	SCREW	MINIATURE	
		076	225-226B	BASE	SUB ASSY SLALT (L,W-W)	
		077	225-225B	BASE	SUB ASSY SLALT (R,W-W)	
		081	414-105A	MOTOR	SUB ASSY,L	ļ
		082	437-009A	WORM	ASSY	
		083	321-410A	BRACKET	SUB ASSY L/M	
		084	433-023A	WHEEL	WORM	
			I '	BRACKET	ASSY DEW	
		087	321-470A		1	
		088	435-448A	GEAR	PINCH (N)	NSP
		090	442-347A	SPRING	PINCH	NSP
		091	386-210A	ARM	ASSY PINCH	1
		092	442-346A	SPRING	STOPPER	NSP
		093	334-050C	STOPPER	PINCH	NSP
	OR	094	434-181A	ROLLER	ASSY PINCH	1
		094	434-181B	ROLLER	PINCH D14 X L18	
		095	276-089B	CAP	PINCH	NSP
		096	333-203A	LEVER	PINCH	NSP
		098	333-344A	LEVER	T-UP (N)	
		100	321-463A	BRACKET	SUB ASSY B	NSP
		102	435-249A	GEAR	RAT1	NSP

	NSP:							
S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS		
	1	103	442-356A	SPRING	F-LEVER	NSP		
		104	356-208A	PIN	F-LEVER	NSP		
	ĺ	106	442-345A	SPRING	RAT	NSP		
		107	333-202A	LEVER	RAT	NSP		
		108	333-207A	LEVER	F17	NSP		
		110	374-005A	CAM	D17 POM 10G	1401		
		111	435-318A	GEAR	ASSY RACK F/L	1		
		112	435-291A	GEAR	ASSY RACK T			
		113	435-246A	GEAR	J			
					PC POM 3G			
		114	414-121B	MOTOR	CAPSTAN, GVC017S			
		115	452-047A	BELT	CENTER D71.9 X SQRT2.0			
	•	116	256-734A	PLATE	F17			
		117	442-342B	SPRING	FP.			
		120	338-089A	BRAKE	SUB ASSY CAP			
		121	442-333A	SPRING	CAPSTAN			
		122	432-038A	PULLEY	GEAR POM 3G	*		
		130	337-005A	CLUTCH	ASSY POM 7G FELT 20X1X1T 2EA			
		131	340-001A	HOLDER	LED (Q)			
		132	324-642A	HOLDER	R/S			
		133	513-494D	PWB	JUNCTION D-17 VCR	NSP		
		134	556-133A	SWITCH	MODE	1,01		
	OR	134	556-133B	SWITCH	MODE, ALPS			
	OR	135	0DL451000AA	DIODE LED	IR SENSOR GL451(LONG) SHARP			
	٠.,	135	0DL550000AB	DIODE LED	IR SENSOR EL-55L(LONG) KOC			
		136	657-102K	SENSOR	SG-105(REEL) D-16 KOC			
ĺĺ		137	556-131A	SWITCH	ESE-105SV1			
1		138	435-234A	GEAR				
		139	· ·		LOAD(R)			
			442-330A	SPRING	LOADING	,		
		140	386-274A	ARM	SUB ASSY (R)			
		142	435-235A	GEAR	LOAD(L)			
ı		143	442-330B	SPRING	LOADING			
	l	144	386-273A	ARM	SUB ASSY (L)	•		
		146	333-218A	LEVER	ASSY A-TEN			
l		150	321-527A	BRACKET	ASSY C-GUIDE			
		201	256-934B	PLATE	TOP			
	ij	204	465-026A	OPENER	DOOR			
		205	321-517B	BRACKET	LEFT (D17)			
		206	321-518A	BRACKET	RIGHT (D17)			
		207	435-278A	GEAR	RACK N/D			
		208	256-910A	PLATE	GND TOP	-		
		210	321-440A	BRACKET	SIDE			
		213	442-351A	SPRING	oc	NSP		
		214	465-028A	OPENER	CST	NSP		
		215	442-357A	SPRING	RID	NSP		
		216	465-027A	OPENER	RID	NSP		
		217	324-647A	HOLDER	R	NSP		
	l	218	321-407A	BRACKET	SUPPORT	NSP		
		219	321-405A	BRACKET	CARRIER	NSP		
		220	324-646A	HOLDER	L	NSP		
		220						
		1	333-210A	LEVER	DT	NSP		
		222	442-358B	SPRING	DT	NSP		
	1	225	384-074A	GUIDE	CST			
)	226	442-352A	SPRING	L	NSP		
,		227	435-254A	GEAR	L	NSP		
. 1		228	442-350A	SPRING	S/W			

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	229			SPECIFICATION	REMARKS
		333-204A	LEVER	S/W	NSP
	230	423-368A	SHAFT	D	NSP
	231	442-353A	SPRING	R	NSP
	232	435-255A	GEAR	R	NSP
	233	435-256B	GEAR	C (HOOK ADDED)	NSP
	234	442-359C	SPRING	CUSHION (D17F/L)	NSP
1	235	442-354A	SPRING	cc	NSP
	236	276-086A	CAP	DRIVE	NSP
			SCREW		
	400	1MDC0302418	PAN HEAD MACHINE SCREW P/WASH+	D 3.0 L 8.0 MSWR3/FZY	
1	401	1MPK0261418	PAN HEAD MACHINE SCREW +,-	D 2.6 L 4.0 MSWR3/FZY	
	402	353-021D	SCREW	SPECIAL	
	404	353-048D	SCREW	CONE POINT 3X8	
	408	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L. 8.0 MSWR3/FZY	
-	411	353-046B	SCREW	SPECIAL (3X8 FZMY)	
1	412	1MBC0302818	BINDING HEAD MACHINE SCREW +	D 3.0 L 12 MSWR3/FZY	
1	421	1MPC0302618	PAN HEAD MACHINE SCREW +!	D3.0 L10.0,MSWR3/FZY	
	422	1MPC0302418	PAN HEAD MACHINE SCREW +!	D 3.0 L 8.0 MSWR3/FZY	
	425	1SRF0302418	BRAIZER HD TAP TITE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
Ш	426	1MPC0302018	PAN HEAD MACHINE SCREW +!	D 3.0 L 6.0 MSWR3/FZY	
			NUT, WASHER		
	503	354-020E	WASHER	STOPPER	
	504	354-001B	WASHER	P.S D3.1XD6X0.5T	
	505	354-080E	WASHER	STOPPER	
	506	352-025A	NUT	NYLON M3	}
	507	354-020J	WASHER	STOPPER(2.6X4.8X0.5)	
	508	352-033A	NUT	NUT NYLON(M3)	
	511	354-080C	WASHER	STOPPER D2.6XD5X0.5T	
	512	354-080E	WASHER	STOPPER	NSP
	513	354-080A	WASHER	STOPPER	NSP
	514	354-080B	WASHER	STOPPER	NSP
	516	354-033B	WASHER	STOPPER	

1-2. 8mm Mechanism

RUN DATE: 95.09.26
NSP: Not Service Part

	A00		ACCESSED V DARTE						
			ASSEMBLY PARTS SECTION						
	A01	412-133A 413-306C	DECK DRUM	SUB ASSY D-21 (F/L) ASSY DD3SQ					
	A02 A30	225-282A 219-021A	BASE HOUSING	ASSY LOADING ASSY F/L (D-21)					
ı			PARTS SECTI	ON					
	001	414-156C	MOTOR	D-21 STATTOR,DRUM DM-21 DD1P	NSP				
	002	413-352B	DRUM	SUB ASSY	l uan				
	003	515-655B	PWB ASSY!	DRUM SIGNAL	NSP				
	004	255-148A	PLATE	SIGNAL GROUND					
	005	225-279A	BASE	ASSY DRUM]				
	006	225-283A	BASE	SUB ASSY LOADING					
	007	225-285A	BASE	ASSY S/POST(T)					
	008	435-329A	GEAR	SUB ASSY LOADING(T)					
'	009	435-327A	GEAR	CAM					
1 '	010	435-332A	GEAR	SUB ASSY LOADING(S)					
	011	225-288A	BASE	ASSY S/POST(S)					
	012	657-031A	SENSOR	ASSY LED					
	013	333-264A	LEVER	ASSY DRIVE					
	013	255-058A	PLATE	L/BASE	İ				
i	1	321-535A	BRACKET	ASSY SLANT GUIDE					
	015		ARM	ASSY SLANT ROLLER	ļ				
1 1	016	386-310A		ASSY TENSION	İ				
	017	386-313A	ARM	ASSY BRAKE	1				
1	018	333-254A	LEVER	ASSY REEL(S)					
1 1	019	375-015A	DISC	T/BAND					
	020	222-019A	PROTECTOR	SENSOR					
	021	321-534A	BRACKET	ASSYIDLER					
1 1	022	386-307A	ARM	ASSY DRIVE					
1 1	023	435-323A	GEAR						
	024	452-054A	BELT	REEL DRIVE (YAMAUCHI)	İ				
1 1	025	322-051A	SUPPORTER	CST	1				
1 1	026	657-032A	SENSOR	ASSY END	ļ				
	027	338-093A	BRAKE	ASSY SOFT					
	028	431-028A	IDLER	BELT	1				
	029	445-005A	SPACER	CAM GEAR					
	030	435-334A	GEAR	ASSY CONVERSION					
	040	414-137B	MOTOR	ASSY LOADING	NOD.				
	041	313-041B	CHASSIS	ASSY MAIN(F/L)	NSP				
	042	338-104A	BRAKE	CLUTCH					
	043	321-533A	BRACKET	RECOG S/W					
	044	515-680A	PWB ASSY!	ASSY JUNCTION					
	045	375-016A	DISC	ASSY REEL(T)					
	046	324-823A	HOLDER	SHAFT					
1 1	047	333-267A	LEVER	ASSY T/UP					
	049	435-321A	GEAR	MIDDLE					
1 1	050	435-348A	GEAR	ASSY TRANSFER					
1	050	414-141A	MOTOR	D-21 CAPSTAN MOTOR GSD					
	051	386-319A	ARM	ASSY PINCH					

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS				
<u> </u> -	ļ	053	333-271A	LEVER	ASSY PINCH	NSP				
		054	333-269A	LEVER	ASSY MODE					
		056	504-476A	PWB	MODE S/W					
	l		435-347A	GEAR	ASSY MODE					
		057		SPRING	T/UP ARM(C)					
1		058	442-486A	ARM	ASSY T/UP					
		059	386-316A	NUT	T/UP ARM(Ä)					
		060	352-028A		T/UP ARM(B)					
		061	352-030A	NUT	ASSY WORM(L)					
		062	423-483A	SHAFT	ASSY LOADING (L)	NSP				
		100	333-323A	LEVER	GEAR	1101				
	ľ	101	257-058A	PLATE						
		102	435-399A	GEAR	A					
		103	435-401A	GEAR	C					
	ļ	104	435-400A	GEAR	В					
		105	435-402A	GEAR	D					
		106	225-329A	BASE	SIDE (L)					
		107	257-057A .	PLATE	SIDE BASE					
l		108	414-162A	MOTOR	ASSY HOUSING					
		110	577-014A	PRISM	END SENSOR					
		111	225-332A	BASE	ASSY LOADING					
1		112	257-060A	PLATE	ASSY BASE	<u> </u>				
		113	225-328A	BASE	SIDE (R)					
		114	333-319A	LEVER	SWITCH	NSP				
	ļ	115	333-320A	LEVER	DOOR	NSP				
		116	442-593A	SPRING	LOCK(L)					
·		117	333-318A	LEVER	LOCK	NSP				
		118	333-322A	LEVER	ASSY LOADING (R)	NSP				
Ì		119	256-889A	PLATE	CGND					
				SCREW						
	T	400	353-078B	SCREW	MACHINE+2X9					
1	1	401	353-152A	SCREW	PS (M1.7X2)					
1		402	353-152A 353-153A	SCREW	PS (M2X3)					
1		402	353-153B	SCREW	PS(M2X4)	ĺ				
		1	353-153C	SCREW	PS (M2X5)					
1		404			PS (M2X6)					
1		405	353-153D	SCREW	SPECIAL M					
		407	353-091C	SCREW	D 2.0 L 4.0 MSWR3/FZY					
L	_	408	1MFU0201418	FLAT HEAD MACHINE SCREW PREC 1	D Z.O L 4.0 WSVVRS/FZT					
	NUT, WASHER									
Γ		500	354-101A	WASHER	SLIDE (1.5TX3.0X0.13)					
	1	501	354-099A	WASHER	STOP(1.25X3.0X0.25)					
		501	354-099B	WASHER	STOP(1.25X3.0X0.25)	ŀ				
1		502	354-104A	WASHER	STOP (2.2X5.0X0.25)					
	1	520	354-048E	WASHER	PS+D6XD2.6XT0.5					
1		520	354-040L 354-120A	WASHER	REELSTOP					
L		JEI	W-120A	THE CITE OF THE CONTRACT OF TH						

2. Cabinet & Main Frame Section

RUN DATE : 95.09.26
NSP: Not Service Part

AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
<u> </u>			ASSEMBLY PARTS	SECTION	
T	A40	315-314N	FRAME	ASSY MAIN	NSP
	A40 A41	3501R-0249A	BOARD ASSY	KEYBOARD 2NDDD1S	
		3501R-0248A	BOARD ASSY	TIMER 2NDDD1S	İ
	A42	258-722F	PANEL	FRONT ASSY	
	A43		BOARD ASSY	SMPS	
	A44	3501R-0247B	MODULE	PRE AMP ASSY	
	A45	501-522A	BOARD ASSY	MAIN	
	A46	3501R-0245D		8MM PRE-AMP(2NDDD1S)	
	A47	3501R-0251A	BOARD ASSY	8MM MAIN (2NDDD1S)	
	A48	3501R-0246A	BOARD ASSY		
			PARTS SEC	TION	
	250	217-472C	CASE	TOP	
[251	321-526A	BRACKET	HOUSING	
	260	315-300B	FRAME	MAIN	NSP
l	262	257-061A	PLATE	GND (FTZ)	NSP
	263	324-976A	HOLDER	PWB	NSP
	275	324-872A	HOLDER	DIGITRON	
Ì	278	273-116A	KNOB	TRACKING	
	280	258-717F	PANEL	FRONT	NSP
	282	220-075D	COVER	DOOR ASSY	·
l	283	226-104F	DOOR	CST	ĺ
1	284	442-469A	SPRING	DOOR	
	288	524-013A	MAGNET	ASSY DOOR	
	289	321-718A	BRACKET	ASSY COVER DOOR	
	290	321-719A	BRACKET	ASSY DAMPER	
İ	291	435-465B	GEAR	ASSY DAMPER(T;60)	
	300	681-051A	CORD	KKP-419J B-172 KLCE-2F PAL	Ī
	300	681-951A	CORD	H03VVH2-F 2X0.75MM LP21R/PE221	
	320	258-596G	PANEL	ASSY DISTRIBUTOR	
	321	257-006A	PLATE	BOTTOM GROUND	-
١	330	221-834A	COVER	ВОТТОМ	
		226-064K	DOOR	CST 8MM	
	340		SPRING	DOOR	
	341	442-591A	HOLDER	ASSY P/AMP 8MM	
_L	342	340-088A			
			SCREV	V	· · · · · · · · · · · · · · · · · · ·
	451	353-046C	SCREW	(3X10 FZMY)	ľ
1	452	353-051A	SCREW	SPECIAL(3X10 FZMY)	
	459	353-046C	SCREW	(3X10 FZMY)	
	462	353-136A	SCREW	SPECIAL(4.6X12.5 FBK)	
	472	353-090A	SCREW	SPECIAL TP	Ì

3. Packing Accessory Section

RUN DATE: 95.09.26
NSP: Not Service Part

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-657G	INSTRUCTION ASSY		
		802	290-452A	BOX CARTON		ļ l
		803	283-217A	PACKING		
ĺ		804	291-002D	SHEET CUSHION		NSP
		808 ·	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-505J	CABLE SET ASSY	RF-CABLE ASSY PAL FTZ	

4. Remote Control Section

RUN DATE: 95.09.26
NSP: Not Service Part

s	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	597-121F	REMOTE CONTROL	2ND D/DECK ASSY	
		901	236-558A	WINDOW	FILTER(2ND D/D)	NSP
	l	902	220-084B	COVER	D/D3 R/C	NSP
		903	217-485H	CASE	TOP	NSP
		904	275-699B	BUTTON	D/D2 R/C	NSP
		905	275-612A	BUTTON	RUBBER VHS (R/C)	NSP
j		906	275-611A	BUTTON	RUBBER 8MM (R/C)	NSP
		907	515-824E	PWB ASSY!	REMOCON (2ND DOUBLE DECK)	NSP
		908	442-611A	SPRING	COIL (R/C)	NSP
		909	217-486D	CASE	ВОТТОМ	NSP
		910	221-857D	COVER	BATTERY	
		911	477-054A	RUBBER	BUMPON	NSP

5. Fixture Section

RUN DATE: 95.09.26

NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		FIX FIX1 FIX2	960-015J 232-972A 515-789A	FIXTURE BOARD ASSY PWB ASSY	SVC FIXTURE SVC FIXTURE FIXTURE (PRE-AMP)	·

6. Electrical Section

RUN DATE: 95.09.26

CAUTION: The * marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

Tolerance

Symbol	C	J	K	M	N	Z	P	Α
%	±2	. ±5	±10	±20	±30	+80	+100	+100
3			ľ			-20	-10	-10

CC, CJ, CK: Capacitor, Ceramic CE: Capacitor, Electrolytic CQ: Capacitor, Polyester

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION		S	AL	LOCA.NO	PART N
			CAPA	ACITOR	7			C210	0CQ104
					-		•	C211	0CE4754
		C001	0CN2230H948	0.022M 25V Z F TA26	1			C212	0CN1210
		C002	0CN1040K948	0.1M 50V Z.F TA26				C213	0CN1510
		C003	0CN2230H948	0.022M 25V Z F TA26				C214	0CE1064
	ł	C004	0CN1040K948	0.1M 50V ZF TA26				C215	0CE1064
		C005	0CN1040K948	0.1M 50V Z.F TA26				C216	0CN4720
		C006	0CN2230H948	0.022M 25V Z F TA26	11			C217	0CQ4734
		C007	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)	11			C218	0CE1054
		C008	0CN2230H948	0.022M 25V Z F TA26	1			C219	0CQ2234
	1 1	C009	0CN2230H948	0.022M 25V Z F TA26	1			C220	0CE2254
	1	C010	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)				C221	0CQ4734
		C011	0CN1520F668	1500P 16V M X TA26				C222	0CE1054
		C012	0CX3300K408	33P 50V J SL TA26				C223	0CE1064
		C013	0CN2230H948	0.022M 25V Z F TA26				C224	0CE1064
		C014	0CN2710K518	270P 50V KB TA26				C225	0CE4754
	ĺ	C015	0CE3344K638	0.33M SRA 50V M FM5 TP(5)	1			C226	0CE4754
		C016	0CE4754K638	4.7M SRA 50V M FM5 TP(5)				C227	0CE1054
		C017	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)				C228	0CQ4734
		C018	0CN2230H948	0.022M 25V Z F TA26	1 1			C229	0CN1030
		C019	0CX1000K408	10P 50V JSL TA26				C230	0CQ122
		C020	0CX2400K408	24P 50V JSL TA26				C231	0CE1054
	1 1	C021	0CN1030F678	0.01M 16V M Y TA26				C232	0CQ2234
		C022	0CX2200K408	22P 50V J SL TP26				C233	0CE2254
	1	C023	0CN1030F678	0.01M 16V M Y TA26	1 1			C234	0CQ2234
		C024	0CX2200K408	22P 50V J SL TP26				C235	0CE4766
		C025	0CX1500K408	15P 50V JSL TA26				C236	0CN1030
		C026	0CX1800K408	18P 50V JSL TA26				C237	0CN1030
	[]	C027	0CN1030F678	0.01M 16V M Y TA26				C238	0CE4766
	()	C028	0CX1200K408	12P 50V J SL TA26				C239	0CC2400
	1	C029	0CC0600K015	6P 50V CNPO TS	1 1			C240	0CC2200
		C030	0CX3300K408	33P 50V JSL TA26	1			C241	0CE4754
		C031	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)				C242	0CE4766
		C032	0CN2230H948	0.022M 25V Z F TA26				C243	0CN2230
		C033	0CX2400K408	24P 50V JSL TA26				C244	0CN1020
		C034	0CN1040K948	0.1M 50V ZF TA26				C245	0CN1020
		C201	0CN2230H948	0.022M 25V Z F TA26				C246	0CN1030
		C202	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)	1			C247	0CN1030
		C203	0CN1030F678	0.01M 16V M Y TA26				C248	0CN1030
	}	C204	0CN1030F678	0.01M 16V M Y TA26				C249	0CN1030
		C205	0CX2700K408	27P 50V JSL TA26	1 1			C250	0CE2273
		C206	0CE4743K638	0.47M SRE/S50V M FM5 TP(5)				C251	0CN1030
		C207	0CN1030F678	0.01M 16V M Y TA26				C252	0CE4766
	}	C208	0CE1054K636	1.0U SRA 50V M FM5 BP TP(D)				C253	0CN1030
	1	C209	0CQ4734K409	0.047U 50V J POLY TE TP				C254	624-027/

3	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C210	0CQ1044K409	0.1U 50V JPOLYTE TP
		C211	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C212	0CN1210K518	120P 50V KB TA26
		C213	0CN1510K518	150P 50V KB TA26
		C214	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C215	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C216	0CN4720F668	4700P 16V M X TA26
		C217	0CQ4734K409	0.047U 50V J POLY TE TP
ļ		C218	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C219		0.022U 50V J POLY TE TP
		C220		2.2M SRA 50V M FM5 TP(5)
		C221		0.047U 50V J POLY TE TP
		C222		1.0U SRA 50V M FM5 BP TP(D)
		C223	0CE1064F638	10M SRA 16V M FM5 TP(5) 10M SRA 16V M FM5 TP(5)
		C224	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C225	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C226		4.7M SRA 50V M FM5 TP(5)
		C227		1.0M SRA/SS50V M FM5 TP(5)
		C228		0.047U 50V J POLY TE TP
		C229		0.01M 16V M Y TA26
		C230	0CQ1221N409	0.0012U 100V J POLY TP 1.0U SRA 50V M FM5 BP TP(D)
		C231		
		C232		0.022U 50V J POLY TE TP
		C233		2.2M SRA 50V M FM5 TP(5)
		C234		0.022U 50V J POLY TE TP
		C235	0CE4766F638	47M SMS 16V M FM5 TP5
		C236	0CN1030F678	0.01M 16V M Y TA26
		C237 C238	0CN1030F678 0CE4766F638	0.01M 16V M Y TA26 47M SMS 16V M FM5 TP5
		C236		
		C239		24P 50V JNPO TP 22P 50V JNPO TS
		C240		4.7M SRA 50V M FM5 TP(5)
		C242	0CE4766F638	47M SMS 16V M FM5 TP5
		C243	1 1 1 1	0.022M 25V Z F TA26
		C244	0CN1020K518	1000P 50V KB TA26
		C245	0CN1020K518	1000P 50V KB TA26
		C246		0.01M 16V M Y TA26
		C247	0CN1030F678	0.01M 16V M Y TA26
		C248		0.01M 16V M Y TA26
		C249		
		C250	0CE2273C638	0.01M 16V M Y TA26 220M SRE 6.3V M FM5 TP(5)
		C251	0CN1030F678	0.01M 16V M Y TA26
		C252	0CE4766F638	47M SMS 16V M FM5 TP5
		C253		0.01M 16V M Y TA26
		C254	624-027A	GOLD 0.047F-5.5V D13.0X8.5 NEC

S	ΔΙ	LOCA NO	PART NO(GS)	SPECIFICATION	s	Α	L LOCA.NO	PART NO(GS)	SPECIFICATION
۴	~ L			47M SMS 16V M FM5 TP5	-	T	C327	0CN1030F678	0.01M 16V M Y TA26
1		C255	0CE4766F638	100U SRA 16V M FM5 TP(5)	-		C328	0CE1053K638	1.0M SRE/SE50V M FM5 TP(5)
1		C256	0CE1074F638	220M SRE 6.3V M FM5 TP(5)	-		C329	0CE4766F638	47M SMS 16V M FM5 TP5
1		C257	0CE2273C638				C330	0CE1053K638	1.0M SRE/SE50V M FM5 TP(5)
1		C258	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C332	0CX2400K408	24P 50V J.SL TA26
ł		C259	0CQ8221N409	0.0082U 100V J POLY TP		1	C333	0CN8200K518	82PF 50V K B TA26
1		C260	0CE4766F638	47M SMS 16V M FM5 TP5		1	C334	0CE4766F638	47M SMS 16V M FM5 TP5
		C261	0CN1030F678	0.01M 16V M Y TA26		1	C335	0CN1030F678	0.01M 16V M Y TA26
		C262	0CE4766F638	47M SMS 16V M FM5 TP5		1		0CN4710K518	470P 50V KB TA26
1	1	C263	0CN2210K518	220P 50V KB TA26	- 1	1	C336		0.01M 16V M Y TA26
1	1	C264	0CN1030F678	0.01M 16V M Y TA26	1	1	C337	0CN1030F678	1
		C266	0CN1040K948	0.1M 50V ZF TA26		1	C338	0CN2230H948	0.022M 25V Z F TA26
		C267	0CN1030F678	0.01M 16V M Y TA26	-	1	C339	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
1	1	C268	0CE4766F638	47M SMS 16V M FM5 TP5	-		C340	0CN4730K948	0.047M 50V Z F TA26
1		C271	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)		-	C341	0CE1043K638	0.1M SRE 50V M FM5 TP(5)
		C272	0CN4730K948	0.047M 50V Z F TA26	-	ļ	C342	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
1	İ	C273	0CE4766F638	47M SMS 16V M FM5 TP5	- 1		C343	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
1		C275	0CN4730K948	0.047M 50V Z F TA26		1	C344	0CE2253K638	2.2M SRE 50V M FM5 TP(5)
1	1	C276	0CN1010K518	100P 50V KB TA26			C345	0CE1064F638	10M SRA 16V M FM5 TP(5)
	İ	C277	0CN1010K518	100P 50V KB TA26		1	C349	0CX3900K408	39P 50V JSL TA26
ł		C278	0CE4766F638	47M SMS 16V M FM5 TP5	ı		C350	0CE4743K638	0.47M SRE/S50V M FM5 TP(5)
ľ	1	C279	0CN1030F678	0.01M 16V M Y TA26	-	1	C351	0CN1020K518	1000P 50V KB TA26
	1	C280	0CN1040K948	0.1M 50V ZF TA26	- 1		C352	0CE2246K638	0.22M SMS 50V M FM5 TP(5)
		C281	0CE4766F638	47M SMS 16V M FM5 TP5			C353	0CN1510K518	150P 50V KB TA26
1		C298	0CE4766K638	47M SMS 50V M FM5 TP			C354	0CE1053K638	1.0M SRE/SE50V M FM5 TP(5)
	1	C299	0CN1040K948	0.1M 50V ZF TA26		ļ	C355	0CN2230H948	0.022M 25V Z F TA26
1		C2A1	0CN1040K948	0.1M 50V ZF TA26		1	C357	0CN1030F678	0.01M 16V M Y TA26
İ		C2A2	0CN1040K948	0.1M 50V ZF TA26		1	C358	0CN1030F678	0.01M 16V M Y TA26
1	İ	C2A3	0CN1030F678	0.01M 16V M Y TA26		-	C359	0CE4775F638	470M SR 16V M FM5 TP(5)
		C301	0CN1030F678	0.01M 16V M Y TA26		-	C360	0CN1030F678	0.01M 16V M Y TA26
ŀ	1	C302	0CN1030F678	0.01M 16V M Y TA26		-	C361	0CX0100K608	1.0P 50V M SL TA(26)
1			0CX4700K408	47P 50V JSL TA26			C362	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
ı		C303	l .	47M SMS 16V M FM5 TP5			C363	0CN1210K518	120P 50V KB TA26
1	1	C308	0CE4766F638	0.1M 50V Z F TA26			C364	0CX3300K408	33P 50V JSL TA26
1		C30B	0CN1040K948	0.1M 50V ZF TA26			C365	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
ı	1	C30C	0CN1040K948	0.01M 16V M Y TA26			C366	0CN1040K948	0.1M 50V Z.F TA26
1	-	C30E	0CN1030F678	47M SMS 16V M FM5 TP5		ļ	C367	0CQ6831N409	0.068U 100V J POLY TP
ı	-	C30F	0CE4766F638	1000P 50V KB TA26		- 1	C368	0CE4743K638	0.47M SRE/S50V M FM5 TP(5)
1		C30G	0CN1020K518	0.01M 16V M Y TA26		ļ	C369	0CE2246K638	0.22M SMS 50V M FM5 TP(5)
1		C301	0CN1030F678	33P 50V JSL TA26		-	C370	0CE4775F638	470M SR 16V M FM5 TP(5)
1	1	C30J	0CX3300K408)			C371	0CN1030F678	0.01M 16V M Y TA26
1		C30K	0CC0500K115	5P 50V D NPO TS			C372	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C30L	0CN1030F678	0.01M 16V M Y TA26	1 1	-	C373	0CN4710K518	470P 50V KB TA26
1		C30M	0CN1030F678	0.01M 16V M Y TA26	1 1		C374	0CX2400K408	24P 50V JSL TA26
1	-	C30N	0CN1030F678	0.01M 16V M Y TA26	11	- [C375	0CE4766F638	47M SMS 16V M FM5 TP5
1		C312	0CX3300K408	33P 50V J SL TA26		- [C376	0CE4743K638	0.47M SRE/S50V M FM5 TP(5)
ŀ	ļ	C314	0CE4766F638	47M SMS 16V M FM5 TP5		- 1	C377	0CN2230H948	0.022M 25V Z F TA26
	1	C315	0CN1030F678	0.01M 16V M Y TA26				0CX1800K408	18P 50V J SL TA26
L		C316	0CE4766F638	47M SMS 16V M FM5 TP5			C378		4.7M SRA 50V M FM5 TP(5)
	1	C317	0CN1030F678	0.01M 16V M Y TA26	1	-	C379	0CE4754K638 0CN4730K948	0.047M 50V Z F TA26
ļ		C318	0CN4710K518	470P 50V KB TA26		- 1	C380		0.01M 16V M Y TA26
ì	1	C31A	0CN1030F678	0.01M 16V M Y TA26	1	-	C381	0CN1030F678	
		C31C	0CN8200K518	82PF 50V K B TA26			C394	0CN1030F678	0.01M 16V M Y TA26 1.0M SRE/SE50V M FM5 TP(5)
1		C31E	0CN1030F678	0.01M 16V M Y TA26			C398	0CE1053K638	
		C31H	0CE4766F638	47M SMS 16V M FM5 TP5		١	C399	0CN1030F678	0.01M 16V M Y TA26
	İ	C31J	0CX1000K408	10P 50V JSL TA26			C3A0	0CX1000K408	10P 50V J SL TA26
1		C31K	0CX1200K408	12P 50V J SL TA26			C3A1	0CN1030F678	0.01M 16V M Y TA26
		C31L	0CN1030F678	0.01M 16V M Y TA26			C3A2	0CN1030F678	0.01M 16V M Y TA26
1		C320	0CE4766F638	47M SMS 16V M FM5 TP5			C3A3	0CE4766F638	47M SMS 16V M FM5 TP5
	1	C322	0CN1030F678	0.01M 16V M Y TA26			C3A4	0CN2230H948	0.022M 25V Z F TA26
ı		C323	0CN1030F678	0.01M 16V M Y TA26	1 1	- 1	C3A5	0CN1030F678	0.01M 16V M Y TA26
		C324	0CN1030F678	0.01M 16V M Y TA26		-	C3A6	0CN1030F678	0.01M 16V M Y TA26
		C325	0CN1030F678	0.01M 16V M Y TA26	11	İ	C3A7	0CN1040K948	0.1M 50V ZF TA26
1		C326	0CN1030F678	0.01M 16V M Y TA26			C3A8	0CE4744K638	0.47M SRA 50V M FM5 TP(5)
L					J L				A CONTRACTOR OF THE PROPERTY O

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	$\left[\ \right]$	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
	T	C3B0	0CE4744K638	0.47M SRA 50V M FM5 TP(5)				C3K2	0CQ8221N409	0.0082U 100V J POLY TP
		C3B1	0CN2230H948	0.022M 25V Z F TA26	1 1			C401	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3B2	0CE2254K638	2.2M SRA 50V M FM5 TP(5)	H			C402	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1		C3B3	0CN1210K518	120P 50V KB TA26	11			C403	0CN1040K948	0.1M 50V ZF TA26
1	1	C3B4	0CC0600K015	6P 50V C NPO TS	11			C404	0CN1040K948	0.1M 50V ZF TA26
1		C3B5	0CX1000K408	10P 50V J SL TA26				C405	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3B6	0CE4766F638	47M SMS 16V M FM5 TP5	11			C406	0CE1064F638	10M SRA 16V M FM5 TP(5)
1	1	C3B7	0CN1030F678	0.01M 16V M Y TA26				C407	0CE1064F638	10M SRA 16V M FM5 TP(5)
1	1	C3B8	0CC3900K415	39P 50V J NPO TP				C408	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3B9	0CN2230H948	0.022M 25V Z F TA26	1 1			C409	0CE2266F638	22M SMS 16V M FM5 TP5
1		C3C0	0CN1030F678	0.01M 16V M Y TA26				C410	0CN1040K948	0.1M 50V ZF TA26
			0CN1040K948	0.1M 50V ZF TA26				C411	0CE1064F638	10M SRA 16V M FM5 TP(5)
1	1	C3C1 C3C2	0CE4766F638	47M SMS 16V M FM5 TP5	11			C412	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
2	ļ		0CN2230H948	0.022M 25V Z F TA26	1 1			C413	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
ı	1	C3C3		0.1M SRA 50V M FM5 TP(5)				C414	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1	ļ	C3C4	0CE1044K638		1 1			C415	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1	İ	C3C5	0CN1030F678	0.01M 16V M Y TA26			ļ	C416	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3C6	0CN1030F678	0.01M 16V M Y TA26	11		1	C417	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
1		C3C7	0CE1064F638	10M SRA 16V M FM5 TP(5)	11			C418	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3C8	0CN1030F678	0.01M 16V M Y TA26				C419	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3C9	0CN1040K948	0.1M 50V ZF TA26		ľ	1	C419	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3E0	0CX1500K408	15P 50V J SL TA26	1		ł	C420	0CE1064F638	10M SRA 16V M FM5 TP(5)
ļ	1	C3E1	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)			ĺ	C423	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3E2	0CE4754K638	4.7M SRA 50V M FM5 TP(5)		l		C423	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
-		C3E3	0CE4766F638	47M SMS 16V M FM5 TP5			l	C425	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
1		C3E4	0CN1040K948	0.1M 50V ZF TA26			l	C425	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
ł	Ì	C3E5	0CE4754K638	4.7M SRA 50V M FM5 TP(5)			1	C420	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
ı		C3E6	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)	1	l		C427	0CE2274F638	220M SRA 16V M FM5 TP(5)
ļ		C3E7	0CN2230H948	0.022M 25V Z F TA26		l		C429	0CE2274F038	22M SMS 16V M FM5 TP5
1		C3E8	0CE4766F638	47M SMS 16V M FM5 TP5					0CE3366F638	33M SMS 16V M FM5 TP(5)
	1	C3E9	0CN3310K518	330P 50V K B TA26	1		ļ	C430	0CE1064F638	10M SRA 16V M FM5 TP(5)
ı		C3F0	0CN1030F678	0.01M 16V M Y TA26	1		1	C431	0CE1064F638	10M SRA 16V M FM5 TP(5)
1	1	C3F1	0CX2200K408	22P 50V J SL TP26				C432		1.0M SRA/SS50V M FM5 TP(5)
i	ļ	C3F2	0CE1044K638	0.1M SRA 50V M FM5 TP(5)	1		1	C433	0CE1054K638 0CE4754K638	4.7M SRA 50V M FM5 TP(5)
-	1	C3F3	0CN1010K518	100P 50V KB TA26	1	l		C434		1.0M SRA/SS50V M FM5 TP(5)
1		C3F4	0CX1200K408	12P 50V J SL TA26	1	ļ		C435	0CE1054K638	220M SRA 16V M FM5 TP(5)
-	- [C3F5	0CX6800K408	68P 50V J SL TA26		I	1	C436	0CE2274F638	
- [C3F6	0CN1030F678	0.01M 16V M Y TA26	1		1	C437	0CN2230H948	0.022M 25V Z F TA26 0.022M 25V Z F TA26
i		C3F7	0CN1010K518	100P 50V KB TA26		l	1	C438	0CN2230H948	220M SRA 16V M FM5 TP(5)
	1	C3F8	0CN1020K518	1000P 50V KB TA26	1			C439	0CE2274F638	47M SMS 16V M FM5 TP5
1		C3F9	0CE4754K638	4.7M SRA 50V M FM5 TP(5)	1	1		C440	0CE4766F638	0.1M 50V Z F TA26
	1	C3G0	0CN8200K518	82PF 50V K B TA26	1	ļ	İ	C441	0CN1040K948	0.012U 100V J POLY TP
		C3G1	0CN3910K518	390P 50V KB TA26		1		C442	0CQ1231N409	
١		C3G2	0CE1064F638	10M SRA 16V M FM5 TP(5)	1	ı		C443	0CQ1031N409	0.01UF 100V J PE TP 0.01M 16V M Y TA26
İ		C3G3	0CN1520F668	1500P 16V M X TA26		1		C444	0CN1030F678	47M SMS 16V M FM5 TP5
1		C3G4	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)		1		C445	0CE4766F638 0CQ1031N409	0.01UF 100V J PE TP
-		C3G5	0CE4766F638	47M SMS 16V M FM5 TP5	ļ	1		C446		0.01M 16V M Y TA26
f		C3G6	0CN2230H948	0.022M 25V Z F TA26				C447	0CN1030F678	100U SRA 16V M FM5 TP(5)
		C3G7	0CE4766F638	47M SMS 16V M FM5 TP5				C448	0CE1074F638	1
1		C3G8	0CN2230H948	0.022M 25V Z F TA26				C449	0CQ1031N409	0.01UF 100V J PE TP
1		C3G9	0CN1030F678	0.01M 16V M Y TA26		1	1	C450	0CE2266F638	22M SMS 16V M FM5 TP5
	l	C3H0	0CN4710K518	470P 50V KB TA26				C451	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C3H1	0CE4766F638	47M SMS 16V M FM5 TP5		1		C452	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
'		C3H2	0CN2230H948	0.022M 25V Z F TA26				C453	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C3H3	0CN2230H948	0.022M 25V Z F TA26	1	1		C454	0CN1040K948	0.1M 50V ZF TA26
		C3H4	0CE4766F638	47M SMS 16V M FM5 TP5		1		C455	0CE1064F638	10M SRA 16V M FM5 TP(5)
,		C3H5	0CC0400K015	4P 50V CNP0 TS	-		1	C456	0CN1040K948	0.1M 50V ZF TA26
	١	C3H6	0CX2200K408	22P 50V J SL TP26	1	1	1	C457	0CQ8221N409	0.0082U 100V J POLY TP
ı	Į	C3H7	0CE4754K638	4.7M SRA 50V M FM5 TP(5)			1	C458	0CE2266F638	22M SMS 16V M FM5 TP5
	Ì	C3H8	0CN1030F678	0.01M 16V M Y TA26		ı		C459	0CE3366F638	33M SMS 16V M FM5 TP(5)
-		C3H9	0CN1040K948	0.1M 50V ZF TA26		1		C460	0CN3910K518	390P 50V KB TA26
	-	C3K0	0CE1064F638	10M SRA 16V M FM5 TP(5)				C461	0CQ5631N409	
- 1		C3K1	0CX4700K408	47P 50V JSL TA26		1		C462	0CQ3331N409	0.033U 100V J POLY TP
L						<u>_</u>				

C463 OCN2210K518 220P 50V K B TA26 C464 OCN1030F678 C0F0 CCN1030F6788 C465 OCE1074F638 C467 OCQ1031N409 C468 OCE1076F638 C470 OCG1031N409 C470 OCE1084F638 C470 OCE1084F638 C470 OCE1084F638 C471 OCG1231N409 C471 OCE1084F638 IOM SRA 16V M FM5 TP(5) C472 OC01231N409 OC922 25V ZF TA26 C473 OCN1030F678 IOM SRA 16V M FM5 TP(5) C474 OCE4744K638 IOM SRA 16V M FM5 TP(5) C475 OCN1030F678 IOM SRA 16V M FM5 TP(5) C476 OCE4744K638 IOM SRA 16V M FM5 TP(5) C477 OCN1030F678 IOM SRA 16V M FM5 TP(5) C478 OCX1030F678 IOM SRA 16V M FM5 TP(5) C479 OCN1030F678 IOM SRA 16V M FM5 TP(5) C480 OCN1030F678 IOM SRA 16V M FM5 TP(5) C481 OCX1030F678 IOM SRA 16V M FM5 TP(5) C482 OCN1030F678 IOM SRA 16V M FM5 TP(5) C483 OCX1231N409 IOM SRA 16V M FM5 T	s	AL LOCA.NO	PART NO(GS)	SPECIFICATION
C465 OCE1074F638 C466 OCE4754K638 C467 OCQ1031N409 CA190 OCE1064F638 C469 OCN2230H948 OC2230H948 OC2230H948 OC220425V ZF TA26 OCM2030F678 OCM1030F678 OCM2030F678		C463		1
C466 OCE4754K638 4.7M SRA 50V M FM5 TP(5) C467 OCG10311N409 0.01UF 100V J PE TP C470 OCE1064F638 10M SMS 16V M FM5 TP(5) C471 OCE1064F638 10M SRA 16V M FM5 TP(5) C472 OCC1031N409 0.012U 100V J PDLY TP C473 OCN1030F678 0.014 16V M Y TA26 C474 OCE4754K638 0.7M SRA 50V M FM5 TP(5) C476 OCE4744K638 0.7M SRA 50V M FM5 TP(5) C477 OCN1030F678 0.01M 16V M Y TA26 C477 OCN1030F678 0.01M 16V M Y TA26 C479 OCN1030F678 0.01M 16V M Y TA26 C480 OCN1030F678 0.01M 16V M Y TA26 C481 OCE104F638 0.01M 16V M Y TA26 C482 OCN1030F678 0.01M 16V M Y TA26 C483 OCN1030F678 0.01M 16V M Y TA26 C484 OCE104F638 0.01M 16V M Y TA26 C487 OCH030F678 0.01M 16V M Y TA26 C487 OCH030F678 0.01M 16V M Y TA26 C489 OCE1064F638 0.01M 16V M Y TA26		C464	0CN1030F678	
C467 OCQ1031N4O9 O.01UF 100V J PE TP C468 OCE1076F638 O.0220H948 O.0220M 25V Z F TA26 C471 OCE1064F638 10M SRA 16V M FM5 TP(5) C471 OCE1064F638 10M SRA 16V M FM5 TP(5) C472 OCN1030F678 0.01M 16V M Y TA26 C473 OCN1030F678 0.01M 16V M Y TA26 C475 OCN2710K518 270P 50V K B TA26 C476 OCE4744K638 4.7M SRA 50V M FM5 TP(5) C477 OCN1030F678 0.01M 16V M Y TA26 C478 OCE1064F638 10M SRA 16V M FM5 TP(5) C479 OCN1030F678 0.01M 16V M Y TA26 C481 OCE1074F638 0.01M 16V M Y TA26 C482 OCN1030F678 0.01M 16V M Y TA26 C483 OCN1030F678 0.01M 16V M Y TA26 C484 OCN1030F678 0.01M 16V M Y TA26 C485 OCE274K638 0.01M 16V M Y TA26 C486 OCE1064F638 0.01M 16V M Y TA26 C490 OCE1064F638 0.01M 16V M Y TA26 C491 OCE1054K638 0.01M 16V M Y		C465		
C488		1		
C469		1 1		
C470 OCE1064F638 C471 OCE1064F638 10M SRA 16V M FM5 TP(5) C472 OCQ1231N409 O.012U 100V J POLY TP O.012U 100V J POLY TP O.012U 100V J POLY TP O.012U 100V J POLY TP O.0130F678 C476 OCE4744K638 C476 OCE4744K638 C477 OCN1030F678 O.01M 16V M Y TA26 C477 OCN1030F678 O.01M 16V M Y TA26 C478 OCE1064F638 O.01M 16V M Y TA26 OCH1030F678 O.01M 16V M Y TA26 C480 OCH1030F678 O.01M 16V M Y TA26 OCH1030F678 OCH1030F6		1 1	1	
C471 OCE1064F638 10M SRA 16V M FM5 TP(5) C472 OCQ1231N409 0.012U 100V J POLY TP C473 OCN1030F678 0.01M 16V M Y TA26 C474 OCE4754K638 4.7M SRA 50V M FM5 TP(5) C476 OCE1064F638 0.47M SRA 50V M FM5 TP(5) C477 OCN1030F678 0.01M 16V M Y TA26 C479 OCN1030F678 0.01M 16V M Y TA26 C480 OCN1030F678 0.01M 16V M Y TA26 C481 OCE1074F638 100U SRA 16V M FM5 TP(5) C482 OCN1030F678 0.01M 16V M Y TA26 C483 OCN1030F678 0.01M 16V M Y TA26 C484 OCN1030F678 0.01M 16V M Y TA26 C485 OCE274F638 20M SRA 16V M FM5 TP(5) C486 OCE274F638 20M SRA 16V M FM5 TP(5) C487 OCN1030F678 0.01M 16V M Y TA26 C487 OCN1030F678 0.01M 16V M Y TA26 C487 OCC1064F638 0.01M 16V M Y TA26 C487 OCC1064F638 0.01M 16V M Y TA26 C490 OCE1064F638 0.01M 16V M Y TA26 <		1 1		
C472 OCQ1231N409 OCN1030F678 C474 0.014 16V M Y TA26 A,7M SRA 50V M FM5 TP(5) C475 OCE4754K638 C476 0.014 16V M Y TA26 C477 1.00 N SRA 50V M FM5 TP(5) C476 OCE4744K638 C479 0.014 16V M Y TA26 C479 0.014 16V M Y TA26 C479 0.014 16V M Y TA26 C479 C479 OCN1030F678 C480 0.014 16V M Y TA26 C481 0.014 16V M Y TA26 C481 0.014 16V M Y TA26 C481 0.014 16V M Y TA26 C481 0.014 16V M Y TA26 C481 0.014 16V M Y TA26 C481 0.014 16V M Y TA26 C482 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C483 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 0.014 16V M Y TA26 C489 </th <th></th> <td>1 1 .</td> <td></td> <td></td>		1 1 .		
C473 OCN1030F678 OCE4754K6838 C475 0.01M 16V M Y TA26 4.7M SRA 50V M FM5 TP(5) C476 OCE4744K6838 C477 0.71030F678 OCN1030F678 C478 0.47M SRA 50V M FM5 TP(5) C478 OCE1064F683 OCN1030F678 C480 0.01M 16V M Y TA26 OCN1030F678 C481 0.01M 16V M Y TA26 OCN1030F678 C482 0.01M 16V M Y TA26 OCN1030F678 C483 0.01M 16V M Y TA26 OCN1030F678 C483 0.01M 16V M Y TA26 OCN1030F678 C483 0.01M 16V M Y TA26 OCN1030F678 C484 0.01M 16V M Y TA26 OCN1030F678 C485 0.01M 16V M Y TA26 OCN1030F678 C486 0.01M 16V M Y TA26 OCN1030F678 C487 0.01M 16V M Y TA26 OCN1030F678 C486 0.01M 16V M Y TA26 OCN1030F678 C487 0.01M 16V M Y TA26 OCN1030F678 C488 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 16V M Y TA26 OCN1030F678 C489 0.01M 10V J PE TP O.022M 25V Z F TA26 OCN1030F678 C481 0.01M 10V J PE TP O.022M 25V Z F TA26 OCN1030F678 C482 0.01M 10V J PE TP O.022M 25V Z F TA26 OCN1030F678 C481 0.01M 10V J PE TP O.022M 25V Z F TA26 OCN1030F678 C481 0.01M 16V M Y TA26(8mm) 0.01M 16V M Y TA26(8mm) 0.01M 16V M Y TA26(8mm) 0.01M 16V M		1 1		
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C4A3	1	1 1		
C4A3		1 1		
C4A4 OCE1054K638 1M SRA/SS50V M FM5 TP(5)(8mm) C4A4 OCN1510K518 150P 50V K B TA26(VHS) C4A5 OCE1074F638 100U SRA 16V M FM5 TP(5)(VHS) C4A6 OCN1020K518 100U SRA 16V M FM5 TP(5)(VHS) C4A6 OCN1020K518 1000P 50V K B TA26(8mm) C4A7 OCN1020K518 1000P 50V K B TA26(VHS) C4A8 OCE1054K638 1M SRA/SS50V M FM5 TP(5)(8mm) C4A8 OCN1040K948 0.1M 50V Z F TA26(VHS) C4A9 OCN1040K948 0.1M 50V Z F TA26(VHS) C4A9 OCN1220F668 2200P 16V M X TA26(8mm) C4B0 OCN1520F668 2200P 16V M X TA26(WHS) C4B1 OCB3366F638 33M SMS 16V M FM5 TP(5)(8mm) C4B2 OCE2254K638 2.2M SRA 50V M FM5 TP(5)(8mm) C4B2 OCE4766F638 47M SMS 16V M FM5 TP(5) C4B3 OCN1040K948 47M SRA 50V M FM5 TP(5) C4B3 OCN1040K948 0.1M 50V Z F TA26				
C4A4		1 1	1	
C4A5 C4A6 CC4A6 CC4A6 CC4A6 CC4A6 CC4A6 CC4A7 CC4A7 CC4A7 CC4A8 CC4A8 CC4A8 CC4A8 CC4A8 CC4A8 CC4A8 CC4A8 CC4A9 CC4A9 CC4A9 CC4A9 CC4A9 CC4A9 CC4A9 CC4A9 CC4A9 CC4B1 CC4B1 CC4B1 CC4B1 CC4B1 CC4B2 CC4B2 CC4B3 CC4C3 CC		1 1		150P 50V K B TA26(VHS)
C4A6 OCN1020K518 1000P 50V K B TA26(8mm) C4A6 OCN1040K948 0.1M 50V Z F TA26(VHS) C4A7 OCN1020K518 1000P 50V K B TA26 C4A8 OCE1054K638 1M SRA/SS50V M FM5 TP(5)(8mm) C4A8 OCN1040K948 0.1M 50V Z F TA26(VHS) C4A9 OCN1040K948 0.1M 50V Z F TA26(VHS) C4A9 OCN2220F668 2200P 16V M X TA26(8mm) C4B0 OCN1520F668 1500P 16V M X TA26 C4B1 OCE3366F638 33M SMS 16V M FM5 TP(5)(8mm) C4B2 OCE2254K638 0.01M 16V M Y TA26(VHS) C4B2 OCE4766F638 47M SMS 16V M FM5 TP(5)(8mm) C4B3 OCN1040K948 0.1M 50V Z F TA26 C4B3 OCN1040K948 0.1M 50V Z F TA26		C4A5	0CE1074F638	
C4A6 OCN1040K948 O.1M 50V Z F TA26(VHS) C4A7 OCN1020K518 1000P 50V K B TA26 C4A8 OCE1054K638 1M SRA/SS50V M FM5 TP(5)(8mm) C4A9 OCN1040K948 O.1M 50V Z F TA26(VHS) C4A9 OCN2220F668 2200P 16V M X TA26(8mm) C4B0 OCN1520F668 1500P 16V M X TA26 C4B1 OCE3366F638 33M SMS 16V M FM5 TP(5)(8mm) C4B2 OCE2254K638 C4B2 OCE4766F638 47M SMS 16V M FM5 TP(5)(8mm) C4B3 OCN1040K948 O.1M 50V Z F TA26 C4B3 OCN1040K948 O.1M 50V Z F TA26		C4A5		
C4A7 OCN1020K518 1000P 50V K B TA26 C4A8 OCE1054K638 1M SRA/SS50V M FM5 TP(5)(8mm) C4A9 OCN1040K948 0.1M 50V Z F TA26(VHS) C4A9 OCN2220F668 2200P 16V M X TA26(8mm) C4B0 OCN1520F668 1500P 16V M X TA26 C4B1 OCE3366F638 33M SMS 16V M FM5 TP(5)(8mm) C4B2 OCE2254K638 2.2M SRA 50V M FM5 TP(5)(8mm) C4B3 OCE4754K638 4.7M SMS 16V M FM5 TP5(VHS) C4B3 OCN1040K948 0.1M 50V Z F TA26	ŀ	1 1		
C4A8		1 1		·
C4A8 OCN1040K948 O.1M 50V Z F TA26(VHS) C4A9 OCN1040K948 O.1M 50V Z F TA26(VHS) C4A9 OCN2220F668 2200P 16V M X TA26(8mm) C4B0 OCN1520F668 1500P 16V M X TA26(8mm) C4B1 OCE3366F638 33M SMS 16V M FM5 TP(5)(8mm) C4B2 OCE2254K638 2.2M SRA 50V M FM5 TP(5)(8mm) C4B2 OCE4766F638 47M SMS 16V M FM5 TP(5)(8mm) C4B3 OCN1040K948 0.1M 50V Z F TA26 C4B3 OCN1040K948 0.1M 50V Z F TA26		1 1	1	
C4A9		1		
C4A9		1 1		, ,
C4B0 OCN1520F668 1500P 16V M X TA26 C4B1 OCE3366F638 33M SMS 16V M FM5 TP(5)(8mm) C4B1 OCN1030F678 0.01M 16V M Y TA26(VHS) C4B2 OCE2254K638 2.2M SRA 50V M FM5 TP(5)(8mm) C4B2 OCE4766F638 47M SMS 16V M FM5 TP5(VHS) C4B3 OCE4754K638 4.7M SRA 50V M FM5 TP(5) C4B3 OCN1040K948 0.1M 50V Z F TA26		1 1 2 2 2 2		
C4B1 OCE3366F638 33M SMS 16V M FM5 TP(5)(8mm) C4B1 OCN1030F678 0.01M 16V M Y TA26(VHS) C4B2 OCE2254K638 2.2M SRA 50V M FM5 TP(5)(8mm) C4B2 OCE4766F638 47M SMS 16V M FM5 TP5(VHS) C4B3 OCN1040K948 0.1M 50V Z F TA26			1	
C4B1 OCN1030F678			li .	
C4B2 OCE2254K638 2.2M SRA 50V M FM5 TP(5)(8mm) C4B2 OCE4766F638 47M SMS 16V M FM5 TP5(VHS) C4B3 OCE4754K638 4.7M SRA 50V M FM5 TP(5) C4B3 OCN1040K948 0.1M 50V Z F TA26		1 1		• · · · · · · · · · · · · · · · · · · ·
C4B2		I E		2.2M SRA 50V M FM5 TP(5)(8mm)
C4B3		1 1		47M SMS 16V M FM5 TP5(VHS)
		1 1	3 .	
C4B4 0CE1074F638 100U SRA 16V M FM5 TP(5)		C4B3	0CN1040K948	
		C4B4	0CE1074F638	100U SRA 16V M FM5 TP(5)

C4B4 0CN1020K518 1000P 50	V VD TAGE
I leave leavescores leaves for	
	V KB TA26
	SS50V M FM5 TP(5)
C4B7 OCN4710K518 470P 50V	
	/ M Y TA26
	V KB TS
C4C0 0CE4754K638 4.7M SRA	50V M FM5 TP(5)
C4C1 0CE1064F638 10M SRA	16V M FM5 TP(5)
	SS50V M FM5 TP(5)
	50V M FM5 TP(5)
1 1	16V M FM5 TP(5)
C4C5 0CN4710K518 470P 50V	V KB TA26
	/ M. Y. TA26
	V KB TS
C4C8 0CE1054K638 1.0M SRA/	/SS50V M FM5 TP(5)
C4C9 0CN1020K518 1000P 50	
C4E0 0CN1020K518 1000P 50	S 16V M FM5 TP5
, , , , , , , , , , , , , , , , , , ,	50V M FM5 TP(5)
	3 16V M FM5 TP(5)
1 1 1 1 1 1 1	V M X TA26
	6V M X TA26
	/SS50V M FM5 TP(5)
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N KB TA26
	NVKR TA26 I
C4E9 0CE1054K638 1.0M SRA	/SS50V M FM5 TP(5)
C4F0 0CE1054K638 1.0M SRA	/SS50V M FM5 TP(5)
C4F1 0CX3300K408 33P 50N	J SL TA26
	V M Y TA26
	V M X TA26
	S 16V M FM5 TP5
C4F5 0CE1054K638 1.0M SRA	/SS50V M FM5 TP(5)
	SV ZF TA26
	/SS50V M FM5 TP(5)
	W M X TA26
	A 16V M FM5 TP(5)
	A 16V M FM5 TP(5)
C4G2 0CN2230H948 0.022M 25	5V Z.F TA26
C4G3 0CN1030F678 0.01M 16	V M Y TA26
	V ZF TA26
C501 0CN1040K948 0.1M 50	V ZF TA26
C502 0CX1800K408 18P 50	V JSL TA26
C503 0CX2200K408 22P 50	
	NSS 16V M FM5 TP(5)
	V ZF TA26
	V ZF TA26
	OV KB TA26
	V ZF TA26
l 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SV M Y TA26
	OV ZF TA26
	IS 16V M FM5 TP5
C512 0CN1040K948 0.1M 50	OV ZF TA26
C513 OCE1054K638 1.0M SR/	A/SS50V M FM5 TP(5)
	IS 16V M FM5 TP5
	OV ZF TA26
	6V M Y TA26
	OV ZF TA26
	0V ZF TA26 0V ZF TA26
	0V ZF TA26 AS 16V M FM5 TP5
	6V M Y TA26
USZZ UCINTUSUFO76 U.UTWI II	OA III I IVEO

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S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	!	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
Г		C523	0CN4730K948	0.047M 50V Z F TA26	Г	\neg		C703	0CE4754K638	4.7M SRA 50V M FM5 TP(5)
		C524	0CE4766F638	47M SMS 16V M FM5 TP5				C704	0CN1040K948	0.1M 50V ZF TA26
i		C525	0CE4766F638	47M SMS 16V M FM5 TP5			Į	C705	0CN1040K948	0.1M 50V Z.F TA26
1		C526	0CN6820F668	6800P 16V M X TA26			- 1	C707	0CN2230H948	0.022M 25V Z F TA26
ĺ	l	C527	0CN1040K948	0.1M 50V ZF TA26			- 1	C709	0CN2230H948	0.022M 25V Z F TA26
l		C528	0CN1020K518	1000P 50V KB TA26		- 1		C710	0CE1074F638	100U SRA 16V M FM5 TP(5)
i	ΙI	C529	0CN6820F668	6800P 16V M X TA26		-	- 1	C711	0CN2230H948	0.022M 25V Z F TA26
		C530	0CN1040K948	0.1M 50V ZF TA26				C712	0CN1040K948	0.1M 50V ZF TA26
		C531	0CN1020K518	1000P 50V KB TA26		- 1	- 1	C713	0CN1040K948	0.1M 50V ZF TA26
				47M SMS 16V M FM5 TP5		-		C714		12P 50V J NPO TS
1	1 1	C532	0CE4766F638		1		- 1		0CC1200K415	
1		C533	0CE4754K638	4.7M SRA 50V M FM5 TP(5)				C716	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
		C534	0CN1040K948	0.1M 50V ZF TA26	1	- 1	- 1	C717	0CN4730K948	0.047M 50V Z F TA26
1		C535	0CN1040K948	0.1M 50V Z.F TA26			-	C718	0CE4766F638	47M SMS 16V M FM5 TP5
	1	C536	0CE2266F638	22M SMS 16V M FM5 TP5	1	ı	- 1	C719	0CN2230H948	0.022M 25V Z F TA26
		C537	0CN1030F678	0.01M 16V M Y TA26				C720	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
		C538	0CN1030F678	0.01M 16V M Y TA26			- 1	C721	0CN6810K518	680P 50V KB TA26
]]	C539	0CK3320K515	3300P 50V KB TS				C722	0CE1074F638	100U SRA 16V M FM5 TP(5)
	1 1	C540	0CK3320K515	3300P 50V KB TS		- {		C724	0CN2230H948	0.022M 25V Z F TA26
		C541	0CK3320K515	3300P 50V KB TS	. 1	ı	- 1	C725	0CX4700K408	47P 50V J.SL TA26
1	1 1	C542	0CE4766F638	47M SMS 16V M FM5 TP5				C726	0CE4766F638	47M SMS 16V M FM5 TP5
		C544	0CE4766F638	47M SMS 16V M FM5 TP5	. 1		- 1	C727	0CN2230H948	0.022M 25V Z F TA26
i		C545	0CN1040K948	0.1M 50V ZF TA26		- [- (C728	0CX2200K408	22P 50V J SL TP26
		C546	0CN1040K948	0.1M 50V ZF TA26	. 1			C729	0CN2230H948	0.022M 25V Z F TA26
		C547	0CN1030F678	0.01M 16V M Y TA26		- 1	- [C730	0CE4766F638	47M SMS 16V M FM5 TP5
1		C548	0CN2710K518	270P 50V KB TA26			-	C740	0CE2274F638	220M SRA 16V M FM5 TP(5)
		C549	0CQ8221N409	0.0082U 100V J POLY TP			- [C741	0CC2700K415	27P 50V J NPO TP
		C550	0CN1020K518	1000P 50V KB TA26			-	C742	0CE4766F638	47M SMS 16V M FM5 TP5
					ı	-				
1		C551	0CN2230H948	0.022M 25V Z F TA26		1	j	C743	0CN2230H948	0.022M 25V Z F TA26
		C552	0CE4766F638	47M SMS 16V M FM5 TP5				C744	0CE4766F638	47M SMS 16V M FM5 TP5
		C553	0CC1000K015	10P 50V C NP0 TS	.]	-]	J	C745	0CN1040K948	0.1M 50V ZF TA26
		C554	0CC1000K015	10P 50V C NP0 TS		- 1	- 1	C747	0CE4766F638	47M SMS 16V M FM5 TP5
1		C555	0CN1040K948	0.1M 50V ZF TA26		ļ	- 1	C748	0CN1040K948	0.1M 50V ZF TA26
		C556	0CN2230H948	0.022M 25V Z F TA26			1	C749	0CN3910K518	390P 50V KB TA26
l		C557	0CE4766F638	47M SMS 16V M FM5 TP5	- 1	- }	- 1	C750	0CN3910K518	390P 50V KB TA26
		C558	0CN4710K518	470P 50V KB TA26				C751	0CQ6821N409	0.0068U 100V J POLY TP
	1 1	C559	0CN4710K518	470P 50V KB TA26		- 1	- 1	C752	0CE1064F638	10M SRA 16V M FM5 TP(5)
1		C560	0CN1040K948	0.1M 50V Z.F TA26			-	C753	0CQ6821N409	0.0068U 100V J POLY TP
	1 1	C561	0CN1040K948	0.1M 50V ZF TA26	1	- 1	- 1	C754	0CE1064F638	10M SRA 16V M FM5 TP(5)
i		C562	0CQ4721N409	0.0047U 100V J POLY TP				C756	0CN2230H948	0.022M 25V Z F TA26
		C563	0CX1200K408	12P 50V J SL TA26		- 1	- 1	C757	0CE4766F638	47M SMS 16V M FM5 TP5
1		C564	0CN1030F678	0.01M 16V M Y TA26			- 1	C759	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
		C565	0CN1040K948	0.1M 50V ZF TA26			- 1	C760	0CN1040K948	0.1M 50V ZF TA26
ļ]	C566	0CN1030F678	0.01M 16V M Y TA26			1	C761	0CN4710K518	470P 50V KB TA26
1		C567	0CN1030F678	0.01M 16V M Y TA26	1	İ	İ	C762	0CN4710K518	470P 50V KB TA26
1	ļ	C568	0CN1030F678	0.01M 16V M Y TA26			- 1	C763	0CE1064F638	10M SRA 16V M FM5 TP(5)
l		C569	0CX5600K408	56P 50V J SL TA26	1	1	- 1	C764	0CN1040K948	0.1M 50V Z F TA26
ł		C601	0CN1040K948	0.1M 50V ZF TA26				C765	0CN1030F678	0.01M 16V M Y TA26
		C602	0CN1040K948	0.1M 50V ZF TA26		1	ĺ	C766	0CC1200K415	12P 50V J NPO TS
1		C603	0CX1800K408	18P 50V JSL TA26			į	C767	0CC1200K415	12P 50V J NPO TS
		C604	0CN1040K948	0.1M 50V ZF TA26			[C768	0CE4766F638	47M SMS 16V M FM5 TP5
1										
		C605	0CE4754H638	4.7M SRA 25V M FM5 TP(5)			- 1	C769	0CN2230H948	0.022M 25V Z F TA26
l		C606 C607	0CE4766F638 0CE2264F638	47M SMS 16V M FM5 TP5				C770	0CE4766F638	47M SMS 16V M FM5 TP5
1				22M SRA 16V M FM5 TP(5)				C772	0CE2254K638	2.2M SRA 50V M FM5 TP(5)
1		C608	0CN1020K518	1000P 50V KB TA26		- 1		C773	0CN2230H948	0.022M 25V Z F TA26
1	1	C609	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)				C774	0CN1040K948	0.1M 50V ZF TA26
1	1	C610	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)		j	J	C775	0CN1040K948	0.1M 50V Z.F TA26
		C611	0CE2254K638	2.2M SRA 50V M FM5 TP(5)		- [١	C776	0CN1040K948	0.1M 50V Z F TA26
1		C612	0CN1010K518	100P 50V KB TA26		Į	ļ	C779	0CE2274F638	220M SRA 16V M FM5 TP(5)
1		C613	0CN1040K948	0.1M 50V ZF TA26		ı		C780	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
1		C614	0CN1040K948	0.1M 50V ZF TA26				C781	0CE4766F638	47M SMS 16V M FM5 TP5
		C615	0CN1020K518	1000P 50V KB TA26		- [C782	0CN1040K948	0.1M 50V ZF TA26
		C616	0CN1040K948	0.1M 50V ZF TA26		- 1	ļ	C785	0CE4766F638	47M SMS 16V M FM5 TP5
Ц_				<u></u>	L					

C802 CCN10067678 CON10067678 CON10067678 CON10067678 CON10067678 CON10067678 CON2600X400 G89 SOV J SL TA26 CON10067678 CON10067678 CON2600X400 G89 SOV J SL TA26 CON10067678 CON10	SALL	LOCA.NO	PART NO(GS)	SPECIFICATION		s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
C803		C801	0CE4766F638	47M SMS 16V M FM5 TP5	7					68P 50V J SL TA26
C808		C802	0CN1030F678	0.01M 16V M Y TA26				C892		
Cade			0CN1040K948	0.1M 50V ZF TA26	11]	C901		0.022U 50V K B 2.0X1.2 R/TP
C805 OCK-1000-F678 OCK-1			0CX6800K408	68P 50V J SL TA26				C903		0.01U 50V KB 2.0X1.25 R/TP
Ca88 OCH42076418 Ca97 SUTA28 Ca98 CoH42076418 Ca97 CoH42076418 Ca97 CoH42076418 Ca97 CoH42076418 Ca97 CoH42076418 Ca97 CoH42076418 Ca97 CoH42076418 Ca98 Ca98			0CN1030F678	0.01M 16V M Y TA26						100P 50V J NP0 2.0*1.25 R/TP
C814 C25478F6783 C261084F638 C2610784F639 C261084F638 C2610784F639		ı	0CX6800K408	68P 50V J SL TA26				C905	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
C214			· ·	0.01M 16V M Y TA26	1 1			C906	0CH4561K416	560PF 50V J NP0 2012 R/TP
C815 CCE1064F638 IOM SRA 16V M FM5 TP(5) C908 CCE1074F638 IOM SRA 16V M FM5 TP(5) C919 CCC23321N409 C023321N409 C023321N409 C023321N409 C023321N409 C023321N409 C023321N409 C023321N409 C023321N409 C023321N409 C023321N409 C023321N409 C0263321N409 C0263321N409 C02610468638 C026								C907		27P 50V J COG 2.0X1.2 R/TP
C816 COCIO2INAG9 COCIO2INAG9 COCIO2INAG9 COCIO2INAG9 COCIO2INAG9 COCIO2INAG9 COCIO2INAG9 COCIO2INAG9 COCIO3INAG9 COCIO3INAG9 COCIO3INAG9 COCIOGRASINAG9 COCIOCIOCIOCAN COCIOCIOCIOCIOCIO COCIOCIOCIOCIO COCIOCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOCIOCIO COCIOC			0CE1064F638							100U SRA 16V M FM5 TP(5)
C817	1 1		0CQ1021N409		11			C909	0CN1030F678	0.01M 16V M Y TA26
C818 C0CG382/INA99 C0CS81/INA9		i	0CQ3321N409	0.0033U 100V J POLY TP				C910		47M SRA/SS 16V M FM5 TP(5)
C820 C0C105464638		C818	0CQ3321N409	0.0033U 100V J POLY TP						
C821 OCE1084K938 1.0M SRIA/SS50V M FMS TP(5) C915 OCH4390K416 39P 50V J C 2.0D C02M SR A SR A SW M FMS TP(5) C916 OCH229K163 OC220M SR A SW M FMS TP(5) C917 OCM2201948 O.02210 SW R A SW M FMS TP(5) C918 OCH234K638 OCE1076F638 OCM1030F67		C819	0CQ6831N409	0.068U 100V J POLY TP						120P 50V J NP0 2.0X1.2 R/TP
C822 CONTOTONSCTS 100P 50V K B TA26 C916 C917 C916 C917		C820	0CE1054K638							0.1M SRA 50V M FM5 TP(5)
C823 OCE1064F638 10M SRA 16V M FMS TP(5)		C821	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)	1				l .	33P 50V J C 2.0X1.2 R/TP
C824 CR27		C822	0CN1010K518	100P 50V KB TA26					1	0.022U 50V K B 2.0X1.2 R/TP
C825 0CH/300F678 0.01M 16V M Y TA26 C919 0CH/4390K416 39P 50V J COG 2.C C827 0CE/1076F638 100M SMS 16V M FMS TP(5) C920 0CH/4390K416 39P 50V J COG 2.C C828 0CX220K408 3P 50V J SL TA26 C921 0CE/2244K638 0.22M SRA 50V M C839 0CX220K408 22P 50V J SL TA26 C922 0CH1223K516 0.022U 50V K B 2.C C830 0CX390K408 39P 50V J SL TA26 C925 0CH2244K638 0.22M SRA 50V M C831 0CX390K408 39P 50V J SL TA26 C925 0CH24390K416 39P 50V J COG 2.C C832 0CH1076F638 100M SMS 16V M FM5 TP(5) C927 0CE2244K638 0.22M SRA 50V M C833 0CE1076F638 0.01M 16V M Y TA26 C925 0CH4390K416 39P 50V J COG 2.C C833 0CE1076F638 0.01M SMS 16V M FM5 TP(5) C928 0CH1223K516 0.022M SRA 50V M C836 0CE4775C638 470M SR 6.3V M FM5 TP(5) C928 0CH14014K16 0.022M SRA 50V M C837 0CC1000K415 10P 50V C NP0 TS C93		C823	0CE1064F638						1	
C826		C824	0CE4766F638	47M SMS 16V M FM5 TP5		1				0.22M SRA 50V M FM5 TP(5)
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C852	l . l	1		1					0CN1030F678	0.01M 16V M Y TA26
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C856				1000P 50V KB TA26	- 1			1	1	0.01U 50V KB 2.0X1.25 R/TP
C859		C854	0CN1020K518	1000P 50V KB TA26		1	İ			0.01U 50V KB 2.0X1.25 R/TP
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C871		1	•		- 1	1	OF	1		KNB1530 AC250V/0.1UF ISKARA
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RUN DATE: 95.09.26

									RUN DATE : 95.09.20
s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	\[\bar{\cdot}\]	S AI	LOCA.NO	PART NO(GS)	SPECIFICATION
	\vdash		204 2045	HER-1320-1000-25-M SMPS RI-C	Γ		DP07	0DD207000AA	2A07 2A RECTIFIERS(T/S)DELTA
		CP17	624-084E	l ·		-	DP08	0DD140000BA	FMBG14L SANKEN
1	OR	CP17	624-085E	CE 1000UF/25V KME (SMPS)	- 1	ı	DP09	0DD120000BC	FMPG12S SANKEN
İ		CP20	0CE1076K638	100M SMS 50V M FM5 TP(5)	ŀ		DP10	0DD010009AC	EU01W(R-FORM) TP SANKEN
ļ		CP21	0CE1086D638	1000UF SMS 10V M FM5 TP5			DP10	0DD010009AC	EU01W(R-FORM) TP SANKEN
		CP22	0CE4766K638	47M SMS 50V M FM5 TP	1			0DD010009AC	EU01W(R-FORM) TP SANKEN
1		CP23	0CC2210K405	220P 50V J SL TP	L		DP12	ODD010009AC	EDOTAN(H-LOUM) II ONATALIA
l		CP27	0CQ2731N409	0.027U 100V J POLY TP				DISDI	AY TUBE
	1 1	CP32	0CE4766K638	47M SMS 50V M FM5 TP				DIOLE	AT TODE
		CP36	624-086B	AC-CON 103/400V,Z,NU(N/K)			DG601	514-031A	13BT-133GK DD1 FUTABA
·	1	CP38	624-066A	AC CON 220PF/400V,B,AA(S/S)	-		LM601	514-505C	LEVEL METER KI-212G2(15MM)ROHM
1		CP39	624-066A	AC CON 220PF/400V,B,AA(S/S)	┝		LINOUT	10140000	
			DI	ODE	L			DELA	AY LINE
-	T	BDP01	0DD160000DA	S1WBA60(1A 600V) SHIDENKEN	1		DL3A0	617-011A	MS-31PC (KSS)
		D001	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM	Γ				USE
	1	D001	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM	-1				JOL
	1	D202	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM		T	FP01	585-011C	T 1.6A 250V S506
1		D202	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM	L		11701	1000110	
	1	D204	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM				FI	LTER I
1		D205	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM	L			· ·	
	1	D206	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM		i.	FL301	616-064D	L/C CL00047A 1.5M LPF S/S
1		D207	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM	- 1		FL302	616-053A	HPF 1.4MHZ (DAE SHIN)
1		D208	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM		- 1	FL3A0	616-234C	A285TCHS-K5315 DD1P K-TOKO
1		D209	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH			FL3A1	616-234A	A285TCHS-K5305 CAN-COIL DD1P
		D203	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			FL3A2	616-234B	A285TCHS-K5306 DD1P K-TOKO
1		D211	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH			FL3A4	616-126G	L/C BPF CB0067 4.43BPF S/S
1		D212	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH			FL401	616-405B	F-K5D9568A 1.8M SAMMI C900P
1			0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM		1	FL402	616-405A	F-K5D9567A 1.4M SAMMI C900P
	1	D219		1SS131 DETECT,SW(26MM)TP ROHM			FL403	616-069C	LPF 12KHZ(JH-1058) SAMMI
		D220	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			FL4A0	616-167A	1.7MBPF TH328BTLS-K5318 K-TOKO
	1	D228	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM		-	FL4A1	616-154A	1.5BPF TH328BTLS-K5317K-TOKO D
1		D230	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM		- 1	FL701	616-069C	LPF 12KHZ(JH-1058) SAMMI
1		D233	0DD131009AA		H	- 1	FL701	616-069C	LPF 12KHZ(JH-1058) SAMMI
	1	D234	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			FLP01	616-145A	LINE FILTER SQE TYPE 33MH(BUJ)
1		D235	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH	1		Z701	616-098A	SAW OFWG3203 SIEMENS
	1	D301	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			Z701 Z703	616-036E	TRAP TPS5.74MB MURATA
1		D302	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM				I .	TRAP TPS5.5MB MURA
ı		D307	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH		- 1	Z704	616-036B	MKT40MA100P MURATA
1		D308	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH			Z705	616-714A	WINT 40WATOOF WICHATA
-	1	D309	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH					IC
		D3A0	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM					10
		D3A1	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM	t	Т	IC001	01H1118191A	HA118191NT PRE-AMP DIP
	1	D3A2	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			IC201	0IMI381850Q	M38185ME-134FP(SY+TI) R-DV10S
1	-	D3A3	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM	[01NA241600A	NM24C16N(EEPROM.16K) OC3600
1		D401	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			IC202	0IMT523000B	PST-523G/T(3.3V) LOW
		D402	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			IC203		HD49756NT(SERVO)
1		D403	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			IC204	01H1497560A	BA7048N(ENVLOPE-DETECT)
-		D405	0DD131009AA	1SS131 DETECT,SW(26MM)TP ROHM			IC205	0IRH704800A	GL7445 (MOTOR DRIV-1CH) GSS
		D501	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH		1	IC206	01GS744500A	
1		D502	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH			IC207	0ISM564900A	SDA5649 (VPS+PDC)
		D503	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH			IC301	01H1118201A	HA118201CF Y/C PAL/MULTI
	1	D504	0DD400309AB	IN4003A(1SR35-200A)5M/M TP ROH			IC303	01KK746063A	MSM7460-63RS CCD(PAL) DIP
		D505	0DD400309AB	The second secon			IC3A0	0IHI118172A	HA118172F(Y/C 8MM)HARD TRAY
		D506	0DD400309AB				IC3A1	0ISO120300A	CXA1203M(8MM PAL JOG)SOP-24P-L
	-	D507	0DD400309AB	• • • • • • • • • • • • • • • • • • •			IC3A2	01KK740300A	MSM7403MS(2H CCD)FLAT KINSEKI
1		D508	0DD131009AA	the contract of the contract o			IC401	0IRH779000A	BA7790LS(AUDIO NORMAL)
3		D703	0DD400309AB				IC402	0ITO881300A	TA8813AN(HI-FI MAIN PAL)
		D801	0DD131009AA	The second secon			IC403	0ISG642000A	TEA6420 S/W IC DIP
		D902	0DD193009AA	The state of the s			IC404	0ISA722200A	LA7222 (1280 AUDIO)
		DP03	0DD010009AD				IC4A0		HA118276F
ı		DP04	0DD010009AC				IC501	0ISO807240S	CXP80724-345Q(SY+SE)R-DV10S
	- 1	DP05	0DD010009AC				IC502	0IMT523000C	PST-523D/T
		DP06	0DD400000AH	. 1			IC503	0ISA183600A	LB1836M-TEL LOADING MOT 1K/TP

				7		-			RUN DATE : 95.09.26
SA	L LOCA.	O PART NO(GS)	SPECIFICATION		S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
П	IC504	0ISO112700A	CXA1127M-T6 CAP-M DRIV 30SOP	7			L317	0LA0152K018	15M K 2.3X3.4 L5 TP
	IC505	01GS740600A	GL7406 (MOTOR DRIV) TAPING	1			L318	0LA0102K018	10M K 2.3X3.4 L5 TP
	IC506	0ISO151200A	CXA1512M				L319	0LR1000K035	100M K 6X6 L5 TP
	IC507	0IGS358000E	GL358D (T&R) OP AMP 2.5K/TP				L321	0LA2200K018	220M K 2.3X3.4 L5 TP
	IC508	0IEX108230A	XR-10823(ATF)QFP32				L322	0LA0392K018	39M K 2.3X3.4 L5 TP
	IC601	0INE163110A	UPD16311GC-AB6 FIP DRIV 52PQFP	1			L325	0LR1000K035	100M K 6X6 L5 TP
	IC602	01RH152180B	BA15218(HEAD-PHONE AMP)DIP				L326	0LA0272K018	27M K 2.3X3.4 L5 TP
	IC701	01PH980000A	TDA9800 VIF PLL DEM & FM DET				L328	0LA0472K018	47M K 2.3X3.4 L5 TP
	IC702	0ITF444500B	TDA4445B(SIF+AM DET) OC3600				L329	0LA0102K018	10M K 2.3X3.4 L5 TP
	IC704 IC801	011T341000A 01M1350100M	MSP3410(NICAM+G2) OC3600				L331	0LA0682K018	68M K 2.3X3.4 L5 TP
	IC802	01SG640000A	M35010-110SP(OSD)BF900P/3600H STV6400 S/W IC DIP				L333	0LA0122K018	12M K 2.3X3.4 L5 TP
	IC803	0IJR222900A	NJM2229S SYNC SEPA (SIP PACK)			- 1	L334 L3A0	0LR1000K035 0LR1000K035	100M K 6X6 L5 TP 100M K 6X6 L5 TP
	IC805	0IJR224900A	NJM2249L S/W (8 PIN SIP)			- 1	L3A1	0LR0332K035	33M K6X6 L5 TP
	IC806	0IGS324000A	GL324 (QUAD PUPLE OP AMP)	Н		ł	L3A2	0LA1800K018	180M K 2.3X3.4 L5 TP
	IC901	0IHI118019A	HA118019NT(PRE-AMP 4HD)	11		l	L3A3	0LA0102K018	10M K 2.3X3.4 L5 TP
	IC902	01RH774000A	BA7740S (PRE-AMP HI-FI)	11		-	L3A4	0LA0222K018	22M K 2.3X3.4 L5 TP
	ICP01	0ISK670700B	STR/S6707(LF.953) 9P (R5,R6)				L3A5	0LR1000K035	100M K 6X6 L5 TP
	ICP03	01KE431000A	KIA431	Ш	-		L3A6	0LR1000K035	100M K 6X6 L5 TP
· · · · · · · · · · · · · · · · · · ·			I 01/	1 1		- [L3A7	0LR1000K035	100M K 6X6 L5 TP
		J	ACK		- 1		L3A8	0LR1000K035	100M K 6X6 L5 TP
T	JK601	572-055A	MIC HSJ1406-01-010	1 1	- 1	Ì	L3A9	0LA0152K018	15M K 2.3X3.4 L5 TP
	JUNOUI	372-035A	MIC HSJ1406-01-010	11	-		L3B0	0LR1000K035	100M K 6X6 L5 TP
		C	OIL	Н			L3B1	0LR1000K035	100M K 6X6 L5 TP
]]		ļ	L3B2	0LA0682K018	68M K 2.3X3.4 L5 TP
1	BD701	636-010F	BEAD,BL01R1-A62T5,MURATA TAPIN]]			L3B3	0LR3300K035	330M K 6X6 L5 TP
	BD801	0LA0101K018	1.0M K 2.3X3.4 L5 TP		İ	-	L3B4	0LR8200K035	820M K 6X6 L5 TP
	BD802	636-010F	BEAD,BL01R1-A62T5,MURATA TAPIN		- [L401 L402	0LR1000K035	100M K 6X6 L5 TP
	L001	0LR1000K035	100M K 6X6 L5 TP	Ιſ	İ	- 1	L402 L403	0LR1000K035 0LR1000K035	100M K 6X6 L5 TP 100M K 6X6 L5 TP
	L002	0LR1000K035	100M K 6X6 L5 TP			- 1	L403	0LR1000K035	100M K 6X6 L5 TP
	L003	0LR8200K035	820M K 6X6 L5 TP	Н	ı		L405	0LR1000K035	100M K 6X6 L5 TP
	L004	0LR3300K035	330M K 6X6 L5 TP		- 1	-	L406	0LR1502J045	0.015H J 6X7 L5 TP
- 1	L005	0LA1800K018 0LA0222K018	180M K 2.3X3.4 L5 TP			-	L407	0LR1000K035	100M K 6X6 L5 TP
- {	L007	0LA0222K018	22M K 2.3X3.4 L5 TP 39M K 2.3X3.4 L5 TP			j	L408	0LR1000K035	100M K 6X6 L5 TP
	L008	0LA0332K018	33M K 2.3X3.4 L5 TP				L409	0LR1000K035	100M K 6X6 L5 TP
	L009	0LA0222K018	22M K 2.3X3.4 L5 TP	1	ı		L4A0	0LR1000K035	100M K 6X6 L5 TP
	L010	0LR1000K035	100M K 6X6 L5 TP			- [0LR1000K035	100M K 6X6 L5 TP
- 1	L011	0LA0102K018	10M K 2.3X3.4 L5 TP	11	- 1	1		0LR1000K035	100M K 6X6 L5 TP
	L012	0LA0332K018	33M K 2.3X3.4 L5 TP			- 1		0LR1000K035	100M K 6X6 L5 TP
	L013	0LA0222K018	22M K 2.3X3.4 L5 TP	1	-			0LR1000K035	100M K 6X6 L5 TP
	L014	0LA0222K018	22M K 2.3X3.4 L5 TP	Н				0LR1000K035	100M K 6X6 L5 TP
- 1	L015	0LR1000K035	100M K 6X6 L5 TP		-			0LR1000K035	100M K 6X6 L5 TP
- 1	L201	0LR1000K035	100M K 6X6 L5 TP		-			0LR1000K035 0LR1000K035	100M K 6X6 L5 TP 100M K 6X6 L5 TP
ļ	L203 L204	0LR1200K035	120M K 6X6 L5 TP			1		0LA1800K018	180M K 2.3X3.4 L5 TP
	L204	0LR1000K035 0LR1000K035	100M K 6X6 L5 TP 100M K 6X6 L5 TP				4.7	0LR8200J025	820UH 5% 4X5 TR5
	L205	0LR1000K035	100M K 6X6 L5 TP		-			0LR1000K035	100M K 6X6 L5 TP
	L207	0LR1000K035	100M K 6X6 L5 TP				7	0LR1000K035	100M K 6X6 L5 TP
	L208	0LA0472K018	47M K 2.3X3.4 L5 TP		- 1		L601	0LA1000K018	100M K 2.3X3.4 L5 TP
	L210	0LR1000K035	100M K 6X6 L5 TP		1		L704	0LA0121K018	1.2M K 2.3X3.4 L5 TP
	L211	0LR1000K035	100M K 6X6 L5 TP			- 1		0LA0102K018	10M K 2.3X3.4 L5 TP
1	L212	0LR1000K035	100M K 6X6 L5 TP					0LR1000K035	100M K 6X6 L5 TP
-	L302	0LA1500K018	150M K 2.3X3.4 L5 TP					0LA0332K018	33M K 2.3X3.4 L5 TP
	L307	0LR1000K035	100M K 6X6 L5 TP					0LR1000K035	100M K 6X6 L5 TP
	L308	0LR1000K035	100M K 6X6 L5 TP			- 1		0LR1000K035	100M K 6X6 L5 TP
	L311	0LR1000K035	100M K 6X6 L5 TP					0LR1000K035	100M K 6X6 L5 TP
	L312	0LA0682K018	68M K 2.3X3.4 L5 TP					0LR1000K035 0LR1000K035	100M K 6X6 L5 TP
	L313 L314	0LR1000K035	100M K 6X6 L5 TP			3		0LR1000K035	100M K 6X6 L5 TP
	L314 L315	0LA0822K018 0LR1000K035	82M K 2.3X3.4 L5 TP					0LR1000K035	100M K 6X6 L5 TP 100M K 6X6 L5 TP
	L315	0LR3900K035	100M K 6X6 L5 TP					0LR1000K035	100M K 6X6 L5 TP
Щ	12010	AFLIDAMOVOSS	390M K 6X6 L5 TP	L	\bot	┙			100m K 07(0 LO 11

\[\frac{1}{2}\]	A	LOCA.NO	PART NO(GS)	SPECIFICATION	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
r	1	L720	0LR1000K035	100M K 6X6 L5 TP	Γ	П	Q002	0TR319909AF	KTC3199-BL MINI TP KEC
١	1	L721	0LR1000K035	100M K 6X6 L5 TP			Q003	0TR103009AE	KRC103M-TP (KRC1203) KEC
ı	1	L801	0LR1000K035	100M K 6X6 L5 TP	1 1		Q005	0TR103009AE	KRC103M-TP (KRC1203) KEC
	1	L803	0LR1000K035	100M K 6X6 L5 TP			Q006	0TR126709AC	KTA1267-GR MINITP KEC
l	1	L804	0LR1000K035	100M K 6X6 L5 TP			Q007	0TR319909AF	KTC3199-BL MINI TP KEC
		L805	0LA0332K018	33M K 2.3X3.4 L5 TP			Q008	0TR319909AF	KTC3199-BL MINI TP KEC
1		L806	0LA0122K018	12M K 2.3X3.4 L5 TP			Q009	0TR319909AF	KTC3199-BL MINI TP KEC
		L807	0LR1000K035	100M K 6X6 L5 TP		1	Q010	0TR319709AC	KTC3197 (KTC388A) TP KEC
1		L808	0LA1000K018	100M K 2.3X3.4 L5 TP			Q011	0TR319909AF	KTC3199-BL MINI TP KEC
		L809	0LA1000K018	100M K 2.3X3.4 L5 TP			Q012	0TR126709AC	KTA1267-GR MINI TP KEC
l		L810	0LA1000K018	100M K 2,3X3.4 L5 TP		ì	Q013	0TR319909AF	KTC3199-BL MINI TP KEC
		L811	0LA1000K018	100M K 2.3X3.4 L5 TP		1	Q014	0TR126709AC	KTA1267-GR MINI TP KEC
ı	1	L812	0LA1000K018	100M K 2.3X3.4 L5 TP		1	Q015	0TR103009AE	KRC103M-TP (KRC1203) KEC
	1	L813	0LA1000K018	100M K 2.3X3.4 L5 TP		1	Q201	0TR103009AE	KRC103M-TP (KRC1203) KEC
1	ı	L814	0LA1000K018	100M K 2.3X3.4 L5 TP		ļ	Q202	0TR103009AE	KRC103M-TP (KRC1203) KEC
	-	L815	0LA1000K018	100M K 2.3X3.4 L5 TP			Q203	0TR103009AE	KRC103M-TP (KRC1203) KEC
1	1	L816	0LR1000K035	100M K 6X6 L5 TP			Q204	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1		L817	0LR1000K035	100M K 6X6 L5 TP			Q205	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1	1	L818	0LA0222K018	22M K 2.3X3.4 L5 TP	[Q206	0TR103009AE	KRC103M-TP (KRC1203) KEC
		L819	0LA0222K018	22M K 2.3X3.4 L5 TP		1	Q207	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
		L820	0LA0222K018	22M K 2.3X3.4 L5 TP		i	Q208	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		L8C1	0LA0101K018	1.0M K 2.3X3.4 L5 TP			Q209	0TR103009AF	KRA103M-TP (KRA2203) KEC
	ĺ	L901	0LR1000K035	100M K 6X6 L5 TP		1	Q210	0TR103009AF	KRA103M-TP (KRA2203) KEC
ı	1	L902	0LA0681K018	6.8M K 2.3X3.4 L5 TP			Q211	0TR103009AF	KRA103M-TP (KRA2203) KEC
ı	1	L903	0LA0181K018	1.8M K 2.3X3.4 L5 TP			Q212	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
ı		L904	0LR1000K035	100M K 6X6 L5 TP			Q213	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
ı	-	L905	0LR1000K035	100M K 6X6 L5 TP			Q215	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1		L906	0LR1000K035	100M K 6X6 L5 TP			Q217	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		L907	0LR3300K035	330M K 6X6 L5 TP		1	Q218	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		LP01	636-004C	BEAD CORE BFS3550R2FD8,R T/P			Q219	0TR103009AE	KRC103M-TP (KRC1203) KEC
		LP02	636-004C	BEAD CORE BFS3550R2FD8,R T/P	1		Q220	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
		LP03	633-088A	SC-20M CHOKE, COIL		1	Q221	0TR103009AE	KRC103M-TP (KRC1203) KEC
ı		LP04	633-088A	SC-20M CHOKE,COIL		1	Q222	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
		LP06	633-088A	SC-20M CHOKE,COIL		1	Q223	0TR103009AE	KRC103M-TP (KRC1203) KEC
İ		T401	633-032C	BIAS-OSC(MISUMI) 70KHZ		1	Q224	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
		T402	633-032C	BIAS-OSC(MISUMI) 70KHZ	1		Q301	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1		T701	633-085A	V-COIL 2920N-K5592Z 77.8 TOKO			Q302	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
ł		T702	633-021C	PIF(D/S)			Q304	0TR126709AC	KTA1267-GR MINI TP KEC
-				1 (27.5)		1	Q305	0TR103009AE	KRC103M-TP (KRC1203) KEC
1			. 1	.ED			Q306	0TR126709AC	KTA1267-GR MINI TP KEC
L	_					1	Q307	0TR103009AE	KRC103M-TP (KRC1203) KEC
		LD601	0DL112000AK	DL-11S2GNS(SU,G,03,SM3411) KOC			Q308	0TR126709AC	KTA1267-GR MINI TP KEC
1		LD602	0DL112000AK	DL-11S2GNS(SU,G,03,SM3411) KOC			Q309	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		LD6A1	0DL112000AK	DL-11S2GNS(SU,G,03,SM3411) KOC			Q310	0TR103009AE	KRC103M-TP (KRC1203) KEC
		LD6A2	0DL112000AK	DL-11S2GNS(SU,G,03,SM3411) KOC			Q311	0TR103009AE	KRC103M-TP (KRC1203) KEC
Γ			MADI	HATOD		1	Q312	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
			MODI	JLATOR		1	Q313	0TR126709AC	KTA1267-GR MINI TP KEC
r	T	MD701	592-808A	MCB8-UG3630 PAL B/G WO ATT			Q315	0TR103009AE	KRC103M-TP (KRC1203) KEC
L		MD/UI	295-000W	MODO-OGOGO FAL DIG WO ATT			Q320	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		CI	RCUIT ROA	ARD ASSEMBLY			Q323	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
L							Q324	0TR103009AF	KRA103M-TP (KRA2203) KEC
	Ì	PBIO0	6871R-0252A	I/O BOARD (2NDDD1S)			Q325	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		PBJT0	515-908B	JUNCTION 2 (G/S)			Q326	0TR126709AC	KTA1267-GR MINI TP KEC
		PBM00	6871R-0245D	VHS MAIN (DV13P 3GL1)			Q327	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		PBT00	6871R-0248A	TIMER 2NDDD1S		1	Q328	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
+							Q329	0TR103009AE	KRC103M-TP (KRC1203) KEC
	TRANSFORMER						Q3A0	0TR319909AF	KTC3199-BL MINI TP KEC
-							Q3A1	0TR103009AE	KRC103M-TP (KRC1203) KEC
	1	PTP01	642-019A	S/W TRANS EER3530(SUPER PAL)			Q3A2	0TR103009AE	KRC103M-TP (KRC1203) KEC
			TDAL	ICIOTOR	1 1		Q3A4	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
1			IKAN	ISISTOR			Q3A5	0TR103009AE	KRC103M-TP (KRC1203) KEC
r	T	Q001	0TR319909AF	KTC3199-BL MINI TP KEC	1		Q3A7	0TR103009AE	KRC103M-TP (KRC1203) KEC
L		4001	OTHOUS SOUNT	KLOOTSS-DE MIMI IL VEO	1 L			<u> </u>	

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
Г	\Box	Q3A8	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q3A9	0TR103009AF	KRA103M-TP (KRA2203) KEC
		Q3B0	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q3B1	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q3B2	0TR319909AF	KTC3199-BL MINI TP KEC
		Q3B3	0TR126709AC	KTA1267-GR MINI TP KEC
l	1		0TR319909AF	KTC3199-BL MINI TP KEC
l		Q3E1	0TR319909AF	KTC3199-BL MINI TP KEC
		Q401	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1		Q402	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1		Q403	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q404	0TR126709AC	KTA1267-GR MINI TP KEC
		Q405	0TR126709AC	KTA1267-GR MINI TP KEC
1	1	Q406	0TR103009AE	KRC103M-TP (KRC1203) KEC
1	1 1	Q407	0TR103009AE	KRC103M-TP (KRC1203) KEC
1	1	Q408	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
I		Q409	0TR103009AE	KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC
		Q410 Q411	0TR103009AE 0TR320509AB	KRC103M-TP (KRC1203) KEC KTC3205-TP-Y (KTC2236A)KEC
1		Q411 Q412	0TR320509AB 0TR103009AE	KTC3205-1P-Y (KTC2236A)KEC KRC103M-TP (KRC1203) KEC
1		Q412 Q413	0TR103009AE 0TR103009AE	KRC103M-TP (KRC1203) KEC KRC103M-TP (KRC1203) KEC
1		Q413 Q414	01R103009AE 0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1		Q414 Q415	01H32U5U9AB 0TR126709AC	KTA1267-GR MINI TP KEC
1		Q415 Q416	0TR126709AC	KTA1267-GR MINI TP KEC
1		Q416 Q417	0TR126709AC	KTA1267-GR MINI TP KEC
1		Q417 Q418	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
1		Q418 Q419	0TR126709AC	KTA1267-GR MINI TP KEC
		Q419 Q420	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
		Q420 Q421	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q4A0	0TR319909AF	KTC3199-BL MINI TP KEC
		Q4A1	0TR319909AF	KTC3199-BL MINI TP KEC
1		Q4A2	0TR319909AF	KTC3199-BL MINI TP KEC
		Q4A3	0TR319909AF	KTC3199-BL MINI TP KEC
		Q4A4	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q4A5	0TR103009AF	KRA103M-TP (KRA2203) KEC
1		Q4A6	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q502	0TR223609AB	KTC2236A-Y=KTC3205Y TP KEC
	1	Q503 Q504	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
1		Q504 Q505	0TR205800AA 0TR126609AE	KTD2058-0 KEC KTA1266-GR,TP(KTA1015),KEC
1		Q505 Q506	OTR126609AE OTR126609AE	KTA1266-GR, TP(KTA1015), KEC KTA1266-GR, TP(KTA1015), KEC
	1	Q506 Q507	01H126609AE 0TR126609AE	KTA1266-GH, IP(KTA1015), KEC KTA1266-GR, TP(KTA1015), KEC
1		Q507 Q508	01R120609AE 0TR205800AA	KTA1266-GH, TP(KTA1015), KEC KTD2058-0 KEC
		Q508 Q509	01H205800AA 0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q509 Q510	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q601	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1		Q6B1	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q701	0TR319709AC	KTC3197 (KTC388A) TP KEC
1		Q703	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
1		Q709	0TR103009AE	KRC103M-TP (KRC1203) KEC
1		Q710	0TR126709AC	KTA1267-GR MINI TP KEC
1		Q712	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
	1	Q801	0TR126709AC	KTA1267-GR MINI TP KEC
1	1	Q802	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q803	0TR103009AE	KRC103M-TP (KRC1203) KEC
	1	Q804	0TR126709AC	KTA1267-GR MINI TP KEC
1		Q805	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q806	0TR319909AF	KTC3199-BL MINI TP KEC
1		Q807 Q808	0TR319909AF 0TR103009AE	KTC3199-BL MINI TP KEC KRC103M-TP (KRC1203) KEC
1	1	Q808 Q809	0TR103009AE 0TR126709AC	KRC103M-TP (KRC1203) KEC KTA1267-GR MINI TP KEC
1		Q809 Q810	0TR319909AF	KTC3199-BL MINI TP KEC
		_ ~010	O I I I I I I I I I I I I I I I I I I I	TOURS DE BINAL IL INES

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		Q811	0TR319909AF	KTC3199-BL MINI TP KEC
	1	Q812	0TR319909AF	KTC3199-BL MINI TP KEC
	1	Q814	0TR319909AF	KTC3199-BL MINI TP KEC
l	l	Q902	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
	İ	Q903	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
	İ	Q904	0TR150409AC	KTA1504-GR-T1(ASG) CHIP KEC
ĺ		Q905	0TR150409AC	KTA1504-GR-T1(ASG) CHIP KEC
		Q906	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
	l	Q907	0TR387609AA	CHIP KTC3876-0-T1 (WO) KEC
	l	Q908	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
			SE	NSOR
		ICP04	657-060C	CQY80NG PHOTO-COUPLER TELEFUN

CAUTION: The * marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

Tolerance

Symbol	C	J	K	М	N	Z	P	Α
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic CE: Capacitor, Electrolytic CQ: Capacitor, Polyester

s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		· · · · · · · · · · · · · · · · · · ·	RES	ISTOR			R207 R208	0RD1002F608 0RD6802F608	10K 1/6W 5 TA26 68K 1/6W 5 TA26
\vdash		Dood	0DD0750500	75 40M 5 TAGG			R209	0RD3301F608	3.3K 1/6W 5 TA26
		R001 R002	0RD0752F608 0RD0752F608	75 1/6W 5 TA26			R210	0RD1002F608	10K 1/6W 5 TA26
		R003	0RD0752F608	75 1/6W 5 TA26 56 1/6W 5 TA26			R211	0RD3302F608	33K 1/6W 5 TA26
1		R003	0RD3902F608	39K 1/6W 5 TA26			R212	0RD1002F608	10K 1/6W 5 TA26
i		R006	0RD8200F608	820 1/6W 5 TA26			R213	0RD1501F608	1.5K 1/6W 5 TA26
1		R008	0RD5600F608	560 1/6W 5 TA26			R214	0RD1502F608	15K 1/6W 5 TA26
ł		R009	0RD6800F608	680 1/6W 5 TA26			R215	0RD6801F608	6.8K 1/6W 5 TA26
		R011	0RD1002F608	10K 1/6W 5 TA26			R216	0RD3901F608	3.9K 1/6W 5 TA26
1		R012	0RD2702F608	27K 1/6W 5 TA26			R217	0RD2703F608	270K 1/6W 5 TA26
ı		R013	0RD8200F608	820 1/6W 5 TA26			R218	0RD6802F608	68K 1/6W 5 TA26
ı		R014	0RD2202F608	22K 1/6W 5 TA26	.]		R219	0RD2702F608	27K 1/6W 5 TA26
		R015	0RD2202F608	22K 1/6W 5 TA26			R220	0RD8203F608	820K 1/6W 5 TA26
		R016	0RD4700F608	470 1/6W 5 TA26			R221	0RD5603F608	560K 1/6W 5 TA26
1		B017	0RD1501F608	1.5K 1/6W 5 TA26			R222	0RD8201F608	8.2K 1/6W 5 TA26
1		R018	0RD4700F608	470 1/6W 5 TA26			R223	0RD1501F608	1.5K 1/6W 5 TA26
1		R019	0RD6800F608	680 1/6W 5 TA26			R224	0RD1503F608	150K 1/6W 5 TA26
1		R020	0RD2200F608	220 1/6W 5 TA26			R225	0RD1503F608	150K 1/6W 5 TA26
1		R021	0RD8200F608	820 1/6W 5 TA26	'		R226	0RD2203F608	220K 1/6W 5 TA26
1		R023	0RD1501F608	1.5K 1/6W 5 TA26			R227	0RD6802F608	68K 1/6W 5 TA26
1		R024	0RD3301F608	3.3K 1/6W 5 TA26			R228	0RD6802F608	68K 1/6W 5 TA26
1		R025	0RD1801F608	1.8K 1/6W 5 TA26			R229	0RD4701F608	4.7K 1/6W 5 TA26
]		R026	0RD1001F608	1.0K 1/6W 5 TA26			R230	0RD4701F608	4.7K 1/6W 5 TA26
		R027	0RD8200F608	820 1/6W 5 TA26			R231	0RD5601F608	5.6K 1/6W 5 TA26
l		R028	0RD2202F608	22K 1/6W 5 TA26			R232	0RD0101F608	1.0 1/6W 5 TA26
1		R029	0RD2202F608	22K 1/6W 5 TA26			R233	0RD5601F608	5.6K 1/6W 5 TA26
1		R030	0RD2200F608	220 1/6W 5 TA26			R234	0RD3902F608	39K 1/6W 5 TA26
		R032	0RD1201F608	1.2K 1/6W 5 TA26	- 1		R235	0RD2701F608	2.7K 1/6W 5 TA26
1		R033	0RD6800F608	680 1/6W 5 TA26	1		R236	0RD6803F608	680K 1/6W 5 TA26
		R034	0RD2701F608	2.7K 1/6W 5 TA26			R237	0RD2702F608	27K 1/6W 5 TA26
1		R035	0RD1002F608	10K 1/6W 5 TA26			R238	0RD4702F608	47K 1/6W 5 TA26
1		R036	0RD1001F608	1.0K 1/6W 5 TA26			R239	0RD8201F608	8.2K 1/6W 5 TA26
		R037	0RD4700F608	470 1/6W 5 TA26			R240	0RD1003F608	100K 1/6W 5 TA26
1		R038	0RD1001F608	1.0K 1/6W 5 TA26			R241	0RD1503F608	150K 1/6W 5 TA26
1	()	R039	0RD4700F608	470 1/6W 5 TA26			R242	0RD8202F608	82K 1/6W 5 TA26
1		R041	0RD1001F608	1.0K 1/6W 5 TA26			R243	0RD1503F608	150K 1/6W 5 TA26
1		R042	0RD5601F608	5.6K 1/6W 5 TA26			R244	0RD1003F608	100K 1/6W 5 TA26
1		R043	0RD8200F608	820 1/6W 5 TA26			R245	0RD0101F608	1.0 1/6W 5 TA26
		R201	0RD1001F608	1.0K 1/6W 5 TA26			R246	0RD1001F608	1.0K 1/6W 5 TA26
1		R202	0RD4701F608	4.7K 1/6W 5 TA26			R247	0RD8203F608	820K 1/6W 5 TA26
1		R203	0RD1001F608	1.0K 1/6W 5 TA26			R248	0RD1202F608	12K 1/6W 5 TA26
1		R204	0RD2702F608	27K 1/6W 5 TA26			R249	0RD1201F608	1.2K 1/6W 5 TA26
1		R205	0RD1202F608	12K 1/6W 5 TA26		1	R250	0RD5601F608	5.6K 1/6W 5 TA26
		R206	0RD1202F608	12K 1/6W 5 TA26		1	R251	0RD4700F608	470 1/6W 5 TA26

		,		·			_		····	RUN DATE : 95.09.26
s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION		s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R252	614-011B	PRW 3.3/2W 10MM FORM/BULK SUNG				R2E3	0RD6801F608	6.8K 1/6W 5 TA26
	ł	R253	0RD1001F608	1.0K 1/6W 5 TA26				R2E5	0RD3902F608	39K 1/6W 5 TA26
		R254	0RD2201F608	2.2K 1/6W 5 TA26				R2E8	0RD4702F608	47K 1/6W 5 TA26
	1	R255	0RD4701F608	4.7K 1/6W 5 TA26	1			R301	0RD4701F608	4.7K 1/6W 5 TA26
	l	R256	0RD1001F608	1.0K 1/6W 5 TA26				R302	0RD3302F608	33K 1/6W 5 TA26
	ľ	R264	0RD2201F608	2.2K 1/6W 5 TA26				R303	0RD1001F608	1.0K 1/6W 5 TA26
		R267 R268	0RD1004F608 0RD1003F608	1.0M 1/6W 5 TA26 100K 1/6W 5 TA26				R304 R306	0RD1802F608 0RD3302F608	18K 1/6W 5 TA26
		R269	0RD4704F608	4.7M 1/6W 5 TA26				R307	0RD1802F608	33K 1/6W 5 TA26 18K 1/6W 5 TA26
		R270	0RD1002F608	10K 1/6W 5 TA26				R308	0RD1001F608	1.0K 1/6W 5 TA26
		R271	0RD2201F608	2.2K 1/6W 5 TA26				R309	0RD0102F608	10 1/6W 5 TA26
		R272	0RD4701F608	4.7K 1/6W 5 TA26	i			R311	0RD2701F608	2.7K 1/6W 5 TA26
		R273	0RD1502F608	15K 1/6W 5 TA26				R312	0RD6801F608	6.8K 1/6W 5 TA26
		R274	0RD4701F608	4.7K 1/6W 5 TA26				R313	0RD2200F608	220 1/6W 5 TA26
		R275	0RD4701F608	4.7K 1/6W 5 TA26			l	R315	0RD4701F608	4.7K 1/6W 5 TA26
		R276	0RD4701F608	4.7K 1/6W 5 TA26			ı	R316	0RD1002F608	10K 1/6W 5 TA26
		R277	0RD2702F608	27K 1/6W 5 TA26	li	1 1	ł	R317	0RD1002F608	10K 1/6W 5 TA26
		R278	0RD2702F608	27K 1/6W 5 TA26				R318	0RD1001F608	1.0K 1/6W 5 TA26
		R279	0RD1002F608	10K 1/6W 5 TA26			- [R319	0RD1001F608	1.0K 1/6W 5 TA26
		R280	0RD1002F608	10K 1/6W 5 TA26				R320	0RD4701F608	4.7K 1/6W 5 TA26
		R281	0RD3302F608	33K 1/6W 5 TA26				R321	0RD1001F608	1.0K 1/6W 5 TA26
		R282	0RD3302F608	33K 1/6W 5 TA26	1			R322	0RD7500F608	750 1/6W 5 TA26
		R283 R284	0RD6802F608 0RD2201F608	68K 1/6W 5 TA26				R323	0RD1001F608	1.0K 1/6W 5 TA26
		R285	0RD2201F608	2.2K 1/6W 5 TA26 2.2K 1/6W 5 TA26				R324 R325	0RD4702F608 0RD4702F608	47K 1/6W 5 TA26 47K 1/6W 5 TA26
		R286	0RD4701F608	4.7K 1/6W 5 TA26				R326	0RD1001F608	1.0K 1/6W 5 TA26
		R287	0RD4701F608	4.7K 1/6W 5 TA26				R327	0RD4700F608	470 1/6W 5 TA26
İ		R288	0RD4701F608	4.7K 1/6W 5 TA26			- 1	R328	0RD1802F608	18K 1/6W 5 TA26
		R289	0RD4700F608	470 1/6W 5 TA26			1	R329	0RD4701F608	4.7K 1/6W 5 TA26
		R290	0RD4701F608	4.7K 1/6W 5 TA26				R331	0RD1201F608	1.2K 1/6W 5 TA26
	- 1	R291	0RD4701F608	4.7K 1/6W 5 TA26		J		R332	0RD1001F608	1.0K 1/6W 5 TA26
		R292	0RD4701F608	4.7K 1/6W 5 TA26				R333	0RD5600F608	560 1/6W 5 TA26
		R293	0RD4701F608	4.7K 1/6W 5 TA26				R334	0RD1001F608	1.0K 1/6W 5 TA26
		R294	0RD4701F608	4.7K 1/6W 5 TA26				R336	0RD1200F608	120 1/6W 5 TA26
		R295	0RD4701F608	4.7K 1/6W 5 TA26				R337	0RD2201F608	2.2K 1/6W 5 TA26
1		R296	0RD4701F608	4.7K 1/6W 5 TA26				R340	0RD1501F608	1.5K 1/6W 5 TA26
		R297	0RD1001F608	1.0K 1/6W 5 TA26				R342	0RD2702F608	27K 1/6W 5 TA26
		R298	0RD4701F608	4.7K 1/6W 5 TA26			l	R343	0RD1501F608	1.5K 1/6W 5 TA26
		R299 R2A1	ORD1001F608 ORD4701F608	1.0K 1/6W 5 TA26				R344	0RD2001F608	2.0K 1/6W 5 TA26
		R2A2	0RD6802F608	4.7K 1/6W 5 TA26 68K 1/6W 5 TA26			1	R345 R346	0RD8200F608	820 1/6W 5 TA26
		R2A3	0RD6802F608	68K 1/6W 5 TA26				R347	0RD1801F608 0RD8202F608	1.8K 1/6W 5 TA26 82K 1/6W 5 TA26
		R2A7	0RD2201F608	2.2K 1/6W 5 TA26			1	R350	0RD1201F608	1.2K 1/6W 5 TA26
		R2A8	0RD4701F608	4.7K 1/6W 5 TA26				R351	0RD1802F608	18K 1/6W 5 TA26
		R2A9	0RD4701F608	4.7K 1/6W 5 TA26				R352	0RD3302F608	33K 1/6W 5 TA26
		R2B3	0RD2702F608	27K 1/6W 5 TA26	ĺ		- 1	R353	0RD1002F608	10K 1/6W 5 TA26
		R2B5	0RD6802F608	68K 1/6W 5 TA26		J		R354	0RD1002F608	10K 1/6W 5 TA26
	ı		0RD6802F608	68K 1/6W 5 TA26			- 1	R355	0RD5601F608	5.6K 1/6W 5 TA26
	- {		0RD6802F608	68K 1/6W 5 TA26			-	R359	0RD1001F608	1.0K 1/6W 5 TA26
			0RD6802F608	68K 1/6W 5 TA26			Ì	R361	0RD3901F608	3.9K 1/6W 5 TA26
			ORD4701F608	4.7K 1/6W 5 TA26		- 1	- 1	R362	0RD3301F608	3.3K 1/6W 5 TA26
	- 1		0RD4701F608	4.7K 1/6W 5 TA26				R379	0RD2701F608	2.7K 1/6W 5 TA26
			0RD1001F608	1.0K 1/6W 5 TA26		ļ		R382	0RD7500F608	750 1/6W 5 TA26
	ļ		0RD1001F608 0RD2702F608	1.0K 1/6W 5 TA26 27K 1/6W 5 TA26				R383	0RD2201F608	2.2K 1/6W 5 TA26
			0RD1001F608	1.0K 1/6W 5 TA26	ı			R384 R385	0RD2201F608	2.2K 1/6W 5 TA26
	- (1	0RD1001F608	1.0K 1/6W 5 TA26		1	- 1	R386	0RD3900F608 0RD3900F608	390 1/6W 5 TA26 390 1/6W 5 TA26
	ļ		0RD1003F608	100K 1/6W 5 TA26			1	R387	0RD1001F608	1.0K 1/6W 5 TA26
		R2D8	0RD1004F608	1.0M 1/6W 5 TA26	-	- 1		R388	0RD5601F608	5.6K 1/6W 5 TA26
	- {		0RD6801F608	6.8K 1/6W 5 TA26			- 1	R389	0RD2201F608	2.2K 1/6W 5 TA26
	l	R2E1	0RD1204F608	1.2M 1/6W 5 TA26	ı	ļ	- 1	R390	0RD1001F608	1.0K 1/6W 5 TA26
		R2E2	0RD1204F608	1.2M 1/6W 5 TA26			- 1	R391	0RD5600F608	560 1/6W 5 TA26
										- Part

3	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R392	0RD3900F608	390 1/6W 5 TA26			R401	0RD1002F608	10K 1/6W 5 TA26
l		R393	0RD2200F608	220 1/6W 5 TA26			R402	0RD1002F608	10K 1/6W 5 TA26
l		R395	0RD1201F608	1.2K 1/6W 5 TA26			R403	0RD2702F608	27K 1/6W 5 TA26
l		R396	0RD1801F608	1.8K 1/6W 5 TA26			R404	0RD1001F608	1.0K 1/6W 5 TA26
ĺ		R397	0RD4700F608	470 1/6W 5 TA26			R405	0RD8202F608	82K 1/6W 5 TA26
l		R398	0RD8200F608	820 1/6W 5 TA26			R406	0RD2201F608	2.2K 1/6W 5 TA26
ĺ		R3A1	0RD1802F608	18K 1/6W 5 TA26			R407	0RD2202F608	22K 1/6W 5 TA26
ĺ		R3A2	0RD1802F608	18K 1/6W 5 TA26			R408	0RD2203F608	220K 1/6W 5 TA26
١.	l	R3A3	0RD4701F608	4.7K 1/6W 5 TA26			R409	0RD1201F608	1.2K 1/6W 5 TA26
÷1		R3A4	0RD1501F608	1.5K 1/6W 5 TA26			R40A	0RD1201F608	1.2K 1/6W 5 TA26
ĺ		R3A5	0RD1001F608	1.0K 1/6W 5 TA26			R40B R410	0RD1001F608 0RD1001F608	1.0K 1/6W 5 TA26 1.0K 1/6W 5 TA26
l		R3A6	0RD1001F608	1.0K 1/6W 5 TA26			R411	0RD4700F608	470 1/6W 5 TA26
7		R3A7	0RD1001F608	1.0K 1/6W 5 TA26			R412	0RD1001F608	1.0K 1/6W 5 TA26
	[R3A8	0RD6802F608 0RD6802F608	68K 1/6W 5 TA26 68K 1/6W 5 TA26			R413	0RD1001F608	1.0K 1/6W 5 TA26
ĺ		R3A9 R3B0	0RD6802F608	68K 1/6W 5 TA26			R414	0RD1201F608	1.2K 1/6W 5 TA26
l	1	1 1	0RD3302F608	33K 1/6W 5 TA26			R415	0RD2203F608	220K 1/6W 5 TA26
l		R3B1 R3B2	0RD2700F608	270 1/6W 5 TA26			R416	0RD2203F608	22K 1/6W 5 TA26
İ		R3B3	0RD1001F608	1.0K 1/6W 5 TA26			R417	0RD2702F608	27K 1/6W 5 TA26
l		R3B4	0RD1004F608	1.0M 1/6W 5 TA26			R418	0RD1502F608	15K 1/6W 5 TA26
ĺ		R3B5	0RD4700F608	470 1/6W 5 TA26			R419	0RD3303F608	330K 1/6W 5 TA26
l		R3B6	0RD2700F608	270 1/6W 5 TA26			R420	0RD1502F608	15K 1/6W 5 TA26
ĺ	ĺ	R3B7	0RD1802F608	18K 1/6W 5 TA26			R421	0RD1002F608	10K 1/6W 5 TA26
ĺ	İ	R3B8	0RD1802F608	18K 1/6W 5 TA26	1		R422	0RD1001F608	1.0K 1/6W 5 TA26
l	ì	R3B9	0RD3302F608	33K 1/6W 5 TA26			R423	0RD3901F608	3.9K 1/6W 5 TA26
l	1	R3C0	0RD4701F608	4.7K 1/6W 5 TA26			R424	0RD1001F608	1.0K 1/6W 5 TA26
ĺ	į	R3C1	0RD4701F608	4.7K 1/6W 5 TA26		-	R425	0RD3901F608	3.9K 1/6W 5 TA26
١.	1	R3C2	0RD4701F608	4.7K 1/6W 5 TA26			R426	0RD1002F608	10K 1/6W 5 TA26
ĺ		R3C3	0RD2201F608	2.2K 1/6W 5 TA26		1	R427	0RD2201F608	2.2K 1/6W 5 TA26
l	Ì	R3C4	0RD1001F608	1.0K 1/6W 5 TA26		1	R428	0RD2200F608	220 1/6W 5 TA26
į		R3C6	0RD2201F608	2.2K 1/6W 5 TA26		1	R429	0RD2200F608	220 1/6W 5 TA26
		R3C7	0RD2201F608	2.2K 1/6W 5 TA26		1	R430	0RD2201F608	2.2K 1/6W 5 TA26
l	1	R3C9	0RD1002F608	10K 1/6W 5 TA26			R431	0RD2202F608	22K 1/6W 5 TA26
	1	R3E0	0RD5600F608	560 1/6W 5 TA26)])	R432	0RD1802F608	18K 1/6W 5 TA26
l	1	R3E1	0RD1002F608	10K 1/6W 5 TA26		1	R433	0RD2201F608	2.2K 1/6W 5 TA26
l		R3E2	0RD4701F608	4.7K 1/6W 5 TA26		1	R434	0RD2202F608	22K 1/6W 5 TA26
)	R3E3	0RD3302F608	33K 1/6W 5 TA26			R435	0RD2202F608	22K 1/6W 5 TA26
		R3E4	0RD1003F608	100K 1/6W 5 TA26			R436	0RD5601F608 0RD6800F608	5.6K 1/6W 5 TA26
		R3E5	0RD2203F608	220K 1/6W 5 TA26			R437	0RD4703F608	680 1/6W 5 TA26 470K 1/6W 5 TA26
		R3E6	0RD4703F608	470K 1/6W 5 TA26			R439	0RD2201F608	2.2K 1/6W 5 TA26
1		R3E7 R3E8	0RD2201F608 0RD4700F608	2.2K 1/6W 5 TA26 470 1/6W 5 TA26			R440	0RD1802F608	18K 1/6W 5 TA26
l		R3E9	0RD1003F608	100K 1/6W 5 TA26			R441	0RD2201F608	2.2K 1/6W 5 TA26
	1	R3F0	0RD1003F608	100K 1/6W 5 TA26			R442	0RD2202F608	22K 1/6W 5 TA26
l		R3F1	0RD2202F608	22K 1/6W 5 TA26			R443	0RD1201F608	1.2K 1/6W 5 TA26
		R3F2	0RD3301F608	3.3K 1/6W 5 TA26			R444	0RD2701F608	2.7K 1/6W 5 TA26
l		R3F3	0RD1801F608	1.8K 1/6W 5 TA26			R445	0RD1201F608	1.2K 1/6W 5 TA26
ł		R3F4	0RD4700F608	470 1/6W 5 TA26	1 1		R446	0RD2701F608	2.7K 1/6W 5 TA26
		R3F5	0RD1200F608	120 1/6W 5 TA26			R447	0RD4700F608	470 1/6W 5 TA26
l	1	R3F6	0RD4700F608	470 1/6W 5 TA26		1	R448	0RD1002F608	10K 1/6W 5 TA26
l		R3F7	0RD3301F608	3.3K 1/6W 5 TA26			R449	0RD1002F608	10K 1/6W 5 TA26
ł		R3F8	0RD1002F608	10K 1/6W 5 TA26			R450	0RD1202F608	12K 1/6W 5 TA26
Į	į	R3F9	0RD1002F608	10K 1/6W 5 TA26			R451	0RD0102F608	10 1/6W 5 TA26
•		R3G0	0RD8200F608	820 1/6W 5 TA26			R452	0RD0102F608	10 1/6W 5 TA26
1	1	R3G1	0RD1201F608	1.2K 1/6W 5 TA26		1	R453	0RD4702F608	47K 1/6W 5 TA26
İ	1	R3G2	0RD6801F608	6.8K 1/6W 5 TA26			R454	0RD1003F608	100K 1/6W 5 TA26
(R3G4	0RD3301F608	3.3K 1/6W 5 TA26		1	R455	0RD3900F608	390 1/6W 5 TA26
	1	R3G6	0RD2201F608	2.2K 1/6W 5 TA26			R456	0RD1002F608	10K 1/6W 5 TA26
		R3K1	0RD4701F608	4.7K 1/6W 5 TA26			R457	0RD2702F608	27K 1/6W 5 TA26
		R3K2	0RD1501F608	1.5K 1/6W 5 TA26			R458	0RD0472F608	47 1/6W 5 TA26
l		R3K3	0RD1001F608	1.0K 1/6W 5 TA26			R459	0RD0472F608	47 1/6W 5 TA26
		R3K4	0RD6800F608	680 1/6W 5 TA26	(R460	0RD2702F608	27K 1/6W 5 TA26

s	AL	LOCA NO	PART NO(GS)	SPECIFICATION	Γ	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
Ľ	AL			2.7K 1/6W 5 TA26	\vdash	-		R4C8	0RD2203F608	220K 1/6W 5 TA26
1		R461	0RD2701F608	2.7K 1/6W 5 TA26		-		R4C9	0RD2203F608	220K 1/6W 5 TA26
		R462	0RD2701F608	22K 1/6W 5 TA26		-		R501	0RD4701F608	4.7K 1/6W 5 TA26
		R463	0RD2202F608	680 1/6W 5 TA26				R502	0RD1503F608	150K 1/6W 5 TA26
	l	R464	0RD6800F608	, ,	ı	1		R503	0RD1503F608	150K 1/6W 5 TA26
		R465	0RD5602F608	56K 1/6W 5 TA26				R504	0RD1002F608	10K 1/6W 5 TA26
l		R466	0RD6801F608	6.8K 1/6W 5 TA26		- 1		R505	0RD1002F608	10K 1/6W 5 TA26
	Į .	R467	0RD1001F608	1.0K 1/6W 5 TA26				R506	0RD1002F608	100K 1/6W 5 TA26
ļ		R468	0RD1004F608	1.0M 1/6W 5 TA26		- 1		R507	0RD1003F608	100K 1/6W 5 TA26
1		R469	0RD6801F608	6.8K 1/6W 5 TA26		- 1		R508	0RD1003F608	100K 1/6W 5 TA26
		R470	0RD1202F608	12K 1/6W 5 TA26		ı		R509	0RD1003F608	100K 1/6W 5 TA26
1		R471	0RD1001F608	1.0K 1/6W 5 TA26		1		R510	0RD1003F608	100K 1/6W 5 TA26
		R472	0RD1500F608	150 1/6W 5 TA26				R511	CRD1003F608	100K 1/6W 5 TA26
l		R473	0RD0102F608	10 1/6W 5 TA26		- [R512	0RD1003F608	100K 1/6W 5 TA26
		R474	0RD3902F608	39K 1/6W 5 TA26		1		R513	0RD2201F608	2.2K 1/6W 5 TA26
l		R475	0RD6801F608	6.8K 1/6W 5 TA26		- 1		R514	0RD2201F608	2.2K 1/6W 5 TA26
ļ		R476	0RD4702F608	47K 1/6W 5 TA26				R515	0RD1003F608	100K 1/6W 5 TA26
l		R478	0RD4702F608	47K 1/6W 5 TA26		- 1		R516	0RD1003F608	100K 1/6W 5 TA26
	1	R479	0RD4700F608	470 1/6W 5 TA26	- 1	- [R517	0RD1003F608	100K 1/6W 5 TA26
		R480	0RD4702F608	47K 1/6W 5 TA26	-			R518	0RD1003F608	100K 1/6W 5 TA26
l		R482	0RD4702F608	47K 1/6W 5 TA26	- 1	- 1		R519	0RD1003F608	100K 1/6W 5 TA26
		R484	0RD3902F608	39K 1/6W 5 TA26	- 1	- 1		R520	0RD1003F608	100K 1/6W 5 TA26
		R485	0RD5601F608	5.6K 1/6W 5 TA26		ı		R521	0RD1800F608	180 1/6W 5 TA26
		R486	0RD3902F608	39K 1/6W 5 TA26		I		R522	0RD1800F608	180 1/6W 5 TA26
l		R487	0RD2201F608	2.2K 1/6W 5 TA26		- [R523	0RD4702F608	.47K 1/6W 5 TA26
		R488	0RD1001F608	1.0K 1/6W 5 TA26		l		R524	0RD4701F608	4.7K 1/6W 5 TA26
		R489	0RD1001F608	1.0K 1/6W 5 TA26	- 1				0RD4701F608	4.7K 1/6W 5 TA26
		R490	0RD1001F608	1.0K 1/6W 5 TA26				R525 R526	0RD1002F608	10K 1/6W 5 TA26
1		R491	0RD1001F608	1.0K 1/6W 5 TA26	- 1			R527	0RD4701F608	4.7K 1/6W 5 TA26
	1	R492	0RD1001F608	1.0K 1/6W 5 TA26 56K 1/6W 5 TA26				P528	0RD4701F608	4.7K 1/6W 5 TA26
		R494 R495	0RD5602F608					R529	0RD1002F608	10K 1/6W 5 TA26
		R496	0RD2201F608 0RD1001F608	2.2K 1/6W 5 TA26 1.0K 1/6W 5 TA26				R530	0RD1002F608	10K 1/6W 5 TA26
1		R497	0RD5602F608	56K 1/6W 5 TA26				R531	0RD1802F608	18K 1/6W 5 TA26
		R498	0RD2701F608	2.7K 1/6W 5 TA26				R532	0RD1802F608	18K 1/6W 5 TA26
		R499	0RD1002F608	10K 1/6W 5 TA26				R533	0RD8203F608	820K 1/6W 5 TA26
1		R4A0	0RD1802F608	18K 1/6W 5 TA26				R534	0RD8203F608	820K 1/6W 5 TA26
		R4A1	0RD3302F608	33K 1/6W 5 TA26				R535	0RD4701F608	4.7K 1/6W 5 TA26
		R4A2	0RD4700F608	470 1/6W 5 TA26				R536	0RD4702F608	47K 1/6W 5 TA26
1		R4A3	0RD8200F608	820 1/6W 5 TA26				R537	0RD1004F608	1.0M 1/6W 5 TA26
	1	R4A4	0RD1001F608	1.0K 1/6W 5 TA26				R538	0RD1204F608	1.2M 1/6W 5 TA26
		R4A5	0RD1001F608	1.0K 1/6W 5 TA26		l		R539	0RD1501F608	1.5K 1/6W 5 TA26
l		R4A6	0RD4701F608	4.7K 1/6W 5 TA26				R541	0RD0221F608	2.2 1/6W 5 TA26
	i	R4A7	0RD1001F608	1.0K 1/6W 5 TA26		- 1		R542	0RD0221F608	2.2 1/6W 5 TA26
1		R4A8	0RD4702F608	47K 1/6W 5 TA26				R543	0RD0221F608	2.2 1/6W 5 TA26
	1	R4A9	0RD1002F608	10K 1/6W 5 TA26				R544	0RD1003F608	100K 1/6W 5 TA26
1	1	R4B0	0RD1501F608	1.5K 1/6W 5 TA26				R545	0RD5601F608	5.6K 1/6W 5 TA26
1		R4B1	0RD1801F608	1.8K 1/6W 5 TA26				R546	0RD6800F608	680 1/6W 5 TA26
1		R4B2	0RD2201F608	2.2K 1/6W 5 TA26				R547	0RD1002F608	10K 1/6W 5 TA26
1	1	R4B3	0RD6800F608	680 1/6W 5 TA26				R548	0RD1002F608	10K 1/6W 5 TA26
	1	R4B4	0RD4701F608	4.7K 1/6W 5 TA26				R549	0RD4700F608	470 1/6W 5 TA26
		R4B5	0RD4701F608	4.7K 1/6W 5 TA26				R550	0RD1002F608	10K 1/6W 5 TA26
		R4B6	0RD6800F608	680 1/6W 5 TA26				R551	0RD1002F608	10K 1/6W 5 TA26
		R4B7	0RD2201F608	2.2K 1/6W 5 TA26				R552	0RD1002F608	10K 1/6W 5 TA26
1	1	R4B8	0RD1501F608	1.5K 1/6W 5 TA26				R553	0RD2201F608	2.2K 1/6W 5 TA26
1		R4B9	0RD1801F608	1.8K 1/6W 5 TA26				R554	0RD3301F608	3.3K 1/6W 5 TA26
1		R4C0	0RD1002F608	10K 1/6W 5 TA26				R555	0RD4701F608	4.7K 1/6W 5 TA26
		R4C1	0RD4702F608	47K 1/6W 5 TA26				R556	0RD2202F608	22K 1/6W 5 TA26
		R4C3	0RD1001F608	1.0K 1/6W 5 TA26			'	R557	0RD0101F608	1.0 1/6W 5 TA26
1		R4C4	0RD1001F608	1.0K 1/6W 5 TA26				R558	0RD0101F608	1.0 1/6W 5 TA26
		R4C5	0RD3302F608	33K 1/6W 5 TA26				R559	0RD0101F608	1.0 1/6W 5 TA26
		R4C6	0RD1503F608	150K 1/6W 5 TA26				R560	0RD0101F608	1.0 1/6W 5 TA26
1	1	R4C7	0RD1503F608	150K 1/6W 5 TA26	Н			R561	0RD1002F608	10K 1/6W 5 TA26
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S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	s	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R562	0RD3300F608	330 1/6W 5 TA26		[-	R616	0RD2203F608	220K 1/6W 5 TA26
		R563	0RD1002F608	10K 1/6W 5 TA26	- 1	1	R617	0RD2203F608	220K 1/6W 5 TA26
		R564	0RD1002F608	10K 1/6W 5 TA26	1	ł	R618	0RD2203F608	220K 1/6W 5 TA26
		R565	0RD2701F608	2.7K 1/6W 5 TA26		j	R619	0RD1501F608	1.5K 1/6W 5 TA26
		R566	0RD1003F608	100K 1/6W 5 TA26	-		R620	0RD8202F608	82K 1/6W 5 TA26
		R567	0RD1002F608	10K 1/6W 5 TA26		l	R621	0RD2203F608	220K 1/6W 5 TA26
		R568	0RD1002F608	10K 1/6W 5 TA26)	R623	0RD8202F608	82K 1/6W 5 TA26
		R569	0RD1002F608	10K 1/6W 5 TA26			R627	0RD3902F608	39K 1/6W 5 TA26
1 1		R570	0RD4700F608	470 1/6W 5 TA26		1	R628	0RD1203F608	120K 1/6W 5 TA26
į.		R571	0RD1002F608	10K 1/6W 5 TA26		1	R629	0RD1203F608	120K 1/6W 5 TA26
		R572	0RD1002F608	10K 1/6W 5 TA26		•	R630	0RD3902F608	39K 1/6W 5 TA26
. 1		R573	0RD1002F608	10K 1/6W 5 TA26			R631	0RD8200F608	820 1/6W 5 TA26
		R574	0RD2702F608	27K 1/6W 5 TA26		1	R632	0RD8200F608	820 1/6W 5 TA26
ř		R575	0RD2702F608	27K 1/6W 5 TA26		}	R635	0RD1501F608	1.5K 1/6W 5 TA26
		R576	0RD2702F608	27K 1/6W 5 TA26			R636	0RD1001F608	1.0K 1/6W 5 TA26
l i		R577	0RD3302F608	33K 1/6W 5 TA26	- 1	1	R637	0RD1002F608	10K 1/6W 5 TA26
1 1			0RD2202F608	22K 1/6W 5 TA26	- 1	Į	R6A0	0RD2200F608	220 1/6W 5 TA26
		R578 R579	0RD6800F608	680 1/6W 5 TA26			R6A1	0RD3300F608	330 1/6W 5 TA26
				1.0K 1/6W 5 TA26	ĺ	1	R6A2	0RD3900F608	390 1/6W 5 TA26
		R580	0RD1001F608		1		R6A3	0RD4700F608	470 1/6W 5 TA26
		R581	0RD3900F608	390 1/6W 5 TA26	1			0RD6800F608	1
, 1		R582	0RD1004F608	1.0M 1/6W 5 TA26			R6A4		680 1/6W 5 TA26
		R583	0RD4701F608	4.7K 1/6W 5 TA26			R6A5	ORD1001F608	1.0K 1/6W 5 TA26
1 1		R584	0RD4701F608	4.7K 1/6W 5 TA26	- 1		R6A6	0RD1501F608	1.5K 1/6W 5 TA26
		R585	0RD4701F608	4.7K 1/6W 5 TA26			R6A7	0RD2201F608	2.2K 1/6W 5 TA26
		R586	0RD4701F608	4.7K 1/6W 5 TA26		ĺ	R6A8	0RD3301F608	3.3K 1/6W 5 TA26
1 1	İ	R587	0RD4701F608	4.7K 1/6W 5 TA26		1	R6A9	0RD5601F608	5.6K 1/6W 5 TA26
		R588	0RD3301F608	3.3K 1/6W 5 TA26			R6B1	0RD1201F608	1.2K 1/6W 5 TA26
		R589	0RD1202F608	12K 1/6W 5 TA26		1	R701	0RD1000F608	100 1/6W 5 TA26
		R590	0RD2202F608	22K 1/6W 5 TA26	-	1	R702	0RD4701F608	4.7K 1/6W 5 TA26
		R591	0RD1003F608	100K 1/6W 5 TA26			R703	0RD1001F608	1.0K 1/6W 5 TA26
		R592	0RD1001F608	1.0K 1/6W 5 TA26	-		R704	0RD1001F608	1.0K 1/6W 5 TA26
		R593	0RD0562F608	56 1/6W 5 TA26	- 1	l	R705	0RD1000F608	100 1/6W 5 TA26
		R594	0RD1001F608	1.0K 1/6W 5 TA26	- 1	1	R706	0RD2701F608	2.7K 1/6W 5 TA26
		R595	0RD4701F608	4.7K 1/6W 5 TA26	- 1		R707	0RD1001F608	1.0K 1/6W 5 TA26
		R596	0RD2202F608	22K 1/6W 5 TA26			R708	0RD2700F608	270 1/6W 5 TA26
		R597	0RD2202F608	22K 1/6W 5 TA26		1	R710	0RD1802F608	18K 1/6W 5 TA26
1 /		R598	0RD2201F608	2.2K 1/6W 5 TA26		}	R711	0RD1002F608	10K 1/6W 5 TA26
]	R599	0RD4703F608	470K 1/6W 5 TA26	1		R712	0RD1001F608	1.0K 1/6W 5 TA26
	1	R5A1	0RD8203F608	820K 1/6W 5 TA26		1	R714	0RD2700F608	270 1/6W 5 TA26
		R5A2	0RD6803F608	680K 1/6W 5 TA26]	R715	0RD3300F608	330 1/6W 5 TA26
		R5A3	0RD1800F608	180 1/6W 5 TA26			R716	0RD1001F608	1.0K 1/6W 5 TA26
		R5A4	0RD1002F608	10K 1/6W 5 TA26	1	1	R717	0RD2200F608	220 1/6W 5 TA26
[R5A5	0RD1002F608	10K 1/6W 5 TA26	- 1		R729	0RD2201F608	2.2K 1/6W 5 TA26
		R5A6	0RD4701F608	4.7K 1/6W 5 TA26	1		R730	0RD2201F608	2.2K 1/6W 5 TA26
]		R5A7	0RD4701F608	4.7K 1/6W 5 TA26			R731	0RD1000F608	100 1/6W 5 TA26
		R5A8	0RD4701F608	4.7K 1/6W 5 TA26	ı		R732	0RD5601F608	5.6K 1/6W 5 TA26
1		R5A9	0RD4701F608	4.7K 1/6W 5 TA26			R733	0RD1001F608	1.0K 1/6W 5 TA26
]		R601	0RD3300F608	330 1/6W 5 TA26			R734	0RD1000F608	100 1/6W 5 TA26
1		R602	0RD3900F608	390 1/6W 5 TA26			R735	0RD5601F608	5.6K 1/6W 5 TA26
ì		R603	0RD4700F608	470 1/6W 5 TA26	1		R736	0RD1001F608	1.0K 1/6W 5. TA26
1		R604	0RD6800F608	680 1/6W 5 TA26			R737	0RD4700F608	470 1/6W 5 TA26
l '	1	R605	0RD1001F608	1.0K 1/6W 5 TA26			R738	0RD2701F608	2.7K 1/6W 5 TA26
1		1 1				1		1	
		R606	0RD1501F608	1.5K 1/6W 5 TA26		1	R739	ORD1001F608	1.0K 1/6W 5 TA26
	}	R607	0RD4701F608	4.7K 1/6W 5 TA26	1	1	R744	0RD2702F608	27K 1/6W 5 TA26
	1	R608	0RD4701F608	4.7K 1/6W 5 TA26			R745	ORD1802F608	18K 1/6W 5 TA26
		R609	0RD4701F608	4.7K 1/6W 5 TA26	- 1		R746	0RD1001F608	1.0K 1/6W 5 TA26
1		R610	0RD3302F608	33K 1/6W 5 TA26		1	R747	0RD1001F608	1.0K 1/6W 5 TA26
'		R611	0RD1200F608	120 1/6W 5 TA26			R801	0RD1203F608	120K 1/6W 5 TA26
1		R612	0RD4700F608	470 1/6W 5 TA26			R802	0RD5601F608	5.6K 1/6W 5 TA26
		R613	0RD5600F608	560 1/6W 5 TA26		1	R803	0RD8201F608	8.2K 1/6W 5 TA26
1		R614	0RD5600F608	560 1/6W 5 TA26		-	R804	0RD3902F608	39K 1/6W 5 TA26
		R615	ORD0471F608	4.7 1/6W 5 TA26	1	1	R805	ORD1002F608	10K 1/6W 5 TA26

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SAL	. LOCA.NO	PART NO(GS)	SPECIFICATION	l	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
	R806	0RD1202F608	12K 1/6W 5 TA26	1			R901	0RH8201D622	8.2K 1/10W 5 D.R/TP
	R807	0RD8201F608	8.2K 1/6W 5 TA26				R902	0RH1000D622	100 1/10W 5 D.R/TP
	R808	0RD2201F608	2.2K 1/6W 5 TA26				R903	0RH8200D622	820 1/10W 5 D.R/TP
1 1	R809	0RD1001F608	1.0K 1/6W 5 TA26				R904	0RH4702D622	47K 1/10W 5 D.R/TP
	R810	0RD1001F608	1.0K 1/6W 5 TA26				R905	0RH1200D622	120 1/10W 5 D.R/TP
	R811	0RD2200F608	220 1/6W 5 TA26				R906	0RH5602D622	56K 1/10W 5 D.R/TP
	R812	0RD4700F608	470 1/6W 5 TA26				R907	0RH3903D622	390K 1/10W 5 D.R/TP
	R813	0RD1001F608	1.0K 1/6W 5 TA26		1		R908	0RH4703D622	470K 1/10W 5 D.R/TP
	R814	0RD3302F608	33K 1/6W 5 TA26				R909	0RH5601D622	5.6K 1/10W 5 D.R/TP
	R815	0RD1002F608	10K 1/6W 5 TA26				R910	0RD0752F608	75 1/6W 5 TA26
	R816	0RD4701F608	4.7K 1/6W 5 TA26		l		R911	0RH0752D622	75 1/10W 5 D.R/TP
1	R817	0RD4701F608	4.7K 1/6W 5 TA26		ı		R912 R913	0RH0752D622 0RH0752D622	75 1/10W 5 D.R/TP 75 1/10W 5 D.R/TP
	R818 R819	0RD1003F608 0RD6803F608	100K 1/6W 5 TA26 680K 1/6W 5 TA26				R914	0RH1002D622	10K 1/10W 5 D.R/TP
	R820	0RD1002F608	10K 1/6W 5 TA26				R915	0RH4701D622	4.7K 1/10W 5 D.R/TP
	R821	0RD3900F608	390 1/6W 5 TA26		J		R916	0RH0102D622	10 1/10W 5 D.R/TP
	R822	0RD1001F608	1.0K 1/6W 5 TA26				R917	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R823	0RD1001F608	1.0K 1/6W 5 TA26				R918	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R824	0RD1001F608	1.0K 1/6W 5 TA26				R919	0RH5600D622	560 1/10W 5 D.R/TP
	R825	0RD4701F608	4.7K 1/6W 5 TA26		ļ	1	R921	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R826	0RD4701F608	4.7K 1/6W 5 TA26				R922	0RH1202D622	12K 1/10W 5 D.R/TP
1	R831	0RD4703F608	470K 1/6W 5 TA26			- {	R923	0RH1802D622	18K 1/10W 5 D.R/TP
	R832	0RD6802F608	68K 1/6W 5 TA26			Ī	R924	0RH3901D622	3.9K 1/10W 5 D.R/TP
	R833	0RD4700F608	470 1/6W 5 TA26				R926	0RD1001F608	1.0K 1/6W 5 TA26
	R834	0RD2203F608	220K 1/6W 5 TA26		1		R930	0RH5600D622	560 1/10W 5 D.R/TP
	R835	0RD3302F608	33K 1/6W 5 TA26				R950	0RH1002D622	10K 1/10W 5 D.R/TP
	R836	0RD1001F608	1.0K 1/6W 5 TA26			- 1	R951	0RH1002D622	10K 1/10W 5 D.R/TP
	R837	0RD4701F608	4.7K 1/6W 5 TA26		- 1	ı	RP01	614-007A	2.7/2W CEMENT SMPS V
	R838	0RD2203F608	220K 1/6W 5 TA26		- 1	1	RP02	0RD1503H600	150K 1/2W 5 A
	R839	0RD2702F608	27K 1/6W 5 TA26		- 1		RP03	0RD1001F608	1.0K 1/6W 5 TA26
1 1	R840	0RD0752F608	75 1/6W 5 TA26	1	- }	1	RP04 RP05	0RS0562J600	56 1W 5 A
	R841 R842	0RD0752F608 0RD0752F608	75 1/6W 5 TA26 75 1/6W 5 TA26			l	RP06	0RD0221F608 0RW0101K600	2.2 1/6W 5 TA26 1 2W 5% A
	R843	0RD1001F608	1.0K 1/6W 5 TA26	1			RP07	0RD1201F608	1.2K 1/6W 5 TA26
i i	R844	0RD1001F608	1.0K 1/6W 5 TA26		i	1	RP08	0RD2701F608	2.7K 1/6W 5 TA26
	R847	0RD0752F608	75 1/6W 5 TA26		- 1		RP09	0RN4701F408	4.7K 1/6W 1 TA26
	R848	0RD1001F608	1.0K 1/6W 5 TA26				RP10	0RD4701F608	4.7K 1/6W 5 TA26
	R849	0RD1001F608	1.0K 1/6W 5 TA26		- 1	- 1	RP13	0RD3900F608	390 1/6W 5 TA26
	R850	0RD0682F608	68 1/6W 5 TA26		-		RP14	0RD1000F608	100 1/6W 5 TA26
} }	R851	0RD0752F608	75 1/6W 5 TA26		- 1		RP15	0RD2203F608	220K 1/6W 5 TA26
	R852	0RD1001F608	1.0K 1/6W 5 TA26		- 1		RP16	0RD1003F608	100K 1/6W 5 TA26
	R857	0RD8202F608	82K 1/6W 5 TA26				RP21	0RN3001F408	3.0K 1/6W 1 TA26
	R858	0RD8202F608	82K 1/6W 5 TA26				W014	0RD1500F608	150 1/6W 5 TA26
	R859	0RD6802F608	68K 1/6W 5 TA26		1	- 1	W950	0RH0000D622	0 1/10W 5 D.R/TP
	R860	0RD6802F608	68K 1/6W 5 TA26		l	l	W951	0RH0000D622	0 1/10W 5 D.R/TP
	R861	0RD5602F608	56K 1/6W 5 TA26		١	ļ	W952	0RH0000D622	0 1/10W 5 D.R/TP
	R862 R863	0RD5602F608	56K 1/6W 5 TA26		١		W953 W954	0RH0000D622 0RH0000D622	0 1/10W 5 D.R/TP
	R865	0RD8202F608 0RD8202F608	82K 1/6W 5 TA26 82K 1/6W 5 TA26			ĺ	W954 W955	0RH0000D622	0 1/10W 5 D.R/TP 0 1/10W 5 D.R/TP
	R867	0RD1203F608	120K 1/6W 5 TA26		-		W956	0RH0000D622	0 1/10W 5 D.R/TP
	R868	0RD8202F608	82K 1/6W 5 TA26	-	1		11 000	VI II IOOOODOZZ	O Digit
	R869	0RD5602F608	56K 1/6W 5 TA26					REMOCOL	N RECEIVER
	R870	0RD6802F608	68K 1/6W 5 TA26						
	R871	0RD6802F608	68K 1/6W 5 TA26		- [RC601	668-227C	RECE 15.0 3276A 2800 KOTEC
	R872	0RD5602F608	56K 1/6W 5 TA26	 					ADT
	R873	0RD8202F608	82K 1/6W 5 TA26					SC	ART
	R874	0RD1203F608	120K 1/6W 5 TA26		\neg		JK801	573-006C	RGB SOKET SR-21S3 21PIN (BK)
	R879	0RD3300F608	330 1/6W 5 TA26		j		JK801 JK802	573-006D	RGB (BLUE)
	R891	0RD1003F608	100K 1/6W 5 TA26		ļ		DINOUL	U, U-000D	TION (DEOL)
	R892	0RD0752F608	75 1/6W 5 TA26					SW	ITCH
	R893	0RD0752F608	75 1/6W 5 TA26	-	- 1				A CONTRACTOR OF THE PROPERTY O
	R894	0RD6800F608	680 1/6W 5 TA26		1		SW601	556-219A	SKHV10910A (GS ALPS)
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RUN DATE : 95 09 2

SW602 556-219A SKHV10910A (GS ALPS)	s	ΔΙ	LOCA.NO	PART NO(GS)	SPECIFICATION			
SW603 556-219A SKHV10910A (GS ALPS) SW605 556-219A SKHV10910A (GS ALPS) SW606 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW604 556-219A SKHV10910A (GS ALPS) SW604 556-219A SKHV10910A (GS ALPS) SW604 556-219A SKHV10910A (GS ALPS) SW604 556-219A SKHV10910A (GS ALPS) SW604 556-219A SKHV10910A (GS ALPS) SW604 556-219A SKHV10910A (GS ALPS) SW604 556-219A SKHV10910A (GS ALPS) SW605 556-219A SKHV10910A (GS ALPS) SW606 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW607 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 556-219A SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SW609 SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A (GS ALPS) SKHV10910A	-							
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VARIABLE RESISTOR				TU	NER			
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VR402			VR3A0	613-032U	RH0638C15R0WA (100K)			
VR403			VR401	613-032Q	RH0638CJ4R0WA (22K)			
VR4A0			VR402	613-032Q	RH0638CJ4R0WA (22K)			
VR4A1			VR403		RH0638C15R0WA (100K)			
VR4A2			VR4A0	613-032Q	RH0638CJ4R0WA (22K)			
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X301 529-029K 4.433619MHZ 15PPM HC-49/U KSS X3A0 529-022F 4.433619M 30PPM CL=16P DL=1M X501 529-020R 12.000000MHZ 30PPM NO-TU L=4.0 X502 529-022E 11.71875 30PPM CL=10P DL=1M X701 529-021Q 18.432MHZ DBS KUKJAE CSB500F-9 MURATA X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD X201 618-017A FCR6.0MCT2 TDK-J(TAPING) X201 0DZ820009AA MTZ8.2B TP ROHM-K MTZ6.2B (TA) MTZ6.2B		T	1					
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X8A1 529-022V 17.734476MHZ CL-12P 25PPM LEAD			I		1			
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1 - 100 ODLIGOGO MILETON MILET MOTHER	L		ZD403	0DZ100009AA	MTZ10B MINI TP ROHM-K			

				RUN DATE: 95.09.26
S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		ZD501	0DZ620009AA	MTZ6.2B (TA)
		ZD601	0DZ160009BA	MTZ16B TP ROHM-K
		ZD602	0DZ160009BA	MTZ16B TP ROHM-K
		ZD701	0DZ100009AA	MTZ10B MINI TP ROHM-K
		ZD801	0DZ160009BA	MTZ16B TP ROHM-K
		ZD802	0DZ160009BA	MTZ16B TP ROHM-K
		ZD803	0DZ160009BA	MTZ16B TP ROHM-K
		ZD804	0DZ160009BA	MTZ16B TP ROHM-K
		ZD805	0DZ160009BA	MTZ16B TP ROHM-K
		ZD806	0DZ160009BA	MTZ16B TP ROHM-K
		ZD807	0DZ160009BA	MTZ16B TP ROHM-K
		ZD808	0DZ160009BA	MTZ16B TP ROHM-K
		ZD809	0DZ160009BA	MTZ16B TP ROHM-K
		ZD810	0DZ160009BA	MTZ16B TP ROHM-K
		ZD811	0DZ160009BA	MTZ16B TP ROHM-K
		ZD812	0DZ160009BA	MTZ16B TP ROHM-K
		ZD813	0DZ160009BA	MTZ16B TP ROHM-K MTZ16B TP ROHM-K
		ZD814 ZD815	0DZ160009BA 0DZ160009BA	MTZ16B TP ROHM-K
		ZD816	0DZ160009BA	MTZ16B TP ROHM-K
		ZD816 ZD817	0DZ160009BA	MTZ16B TP ROHM-K
		ZD817 ZD818	0DZ160009BA	MTZ16B TP ROHM-K
		ZD819	0DZ160009BA	MTZ16B TP ROHM-K
		ZD820	0DZ160009BA	MTZ16B TP ROHM-K
		ZD821	0DZ160009BA	MTZ16B TP ROHM-K
ĺ		ZD822	0DZ160009BA	MTZ16B TP ROHM-K
		ZD823	0DZ160009BA	MTZ16B TP ROHM-K
		ZD824	0DZ160009BA	MTZ16B TP ROHM-K
		ZD825	0DZ160009BA	MTZ16B TP ROHM-K
		ZD826	0DZ160009BA	MTZ16B TP ROHM-K
		ZD827	0DZ160009BA	MTZ16B TP ROHM-K
		ZD828	0DZ160009BA	MTZ16B TP ROHM-K
		ZD829	0DZ160009BA	MTZ16B TP ROHM-K
		ZD830	0DZ160009BA	MTZ16B TP ROHM-K
		ZD831	0DZ160009BA	MTZ16B TP ROHM-K
1		ZD832	0DZ160009BA	MTZ16B TP ROHM-K
		ZD833	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD834	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZDP01	0DZ330009AF	MTZ33B,TP,ROHM-K
,		ZDP02	0DZ560009CA	MTZ5.6B TP ROHM-K
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